## VPDES PERMIT PROGRAM FACT SHEET

FILE NO: 228

This document gives pertinent information concerning the VPDES Permit listed below. This permit is being processed as a MAJOR, MUNICIPAL permit.

1. PERMIT NO.: VA0023922 EXPIRATION DATE: 6/22/14 FACILITY NAME AND LOCAL MAILING 2. FACILITY LOCATION ADDRESS (IF DIFFERENT) ADDRESS City of Franklin WWTP 501 S. Main Street P. O. Box 179 Franklin, Va. 23851 Franklin, Va. 23851 CONTACT AT FACILITY: CONTACT AT LOCATION ADDRESS NAME: Mr. Russell L. Pace NAME: Mr. Donnie Cagle TITLE: Director of Public Works TITLE: WWTP Chief Operator PHONE: (757)562-8564 PHONE: (757)562-8551 3. OWNER CONTACT: (TO RECEIVE PERMIT) CONSULTANT CONTACT: NAME: Mr. Robert Martin NAME: TITLE: City Manager FIRM NAME: COMPANY NAME: City of Franklin ADDRESS: ADDRESS: P. O. Box 179 Franklin, Va. 23851 PHONE: (757) -562-8564 PERMIT DRAFTED BY: DEQ, Water Permits, Regional Office Permit Writer(s): Robert Smithson ( Date(s): 3/10/14 Reviewed By: Deanna Austin Date(s): 3/26/14 PERMIT ACTION: 5. ( ) Issuance (X) Reissuance () Revoke & Reissue () Owner Modification ( ) Board Modification ( ) Change of Ownership/Name [Effective Date: 6. SUMMARY OF SPECIFIC ATTACHMENTS LABELED AS: Attachment 1 Site Inspection Report/Memorandum Attachment Discharge Location/Topographic Map Attachment Schematic/Plans & Specs/Site Map/Water Balance Attachment\_ 4\_\_ TABLE I - Discharge/Outfall Description Attachment 5 TABLE II - Effluent Monitoring/Limitations Attachment 6 Effluent Limitations/Monitoring Rationale/Suitable Data/Antidegradation/Antibacksliding Attachment 7 Special Conditions Rationale Attachment 8 Toxics Monitoring/Toxics Reduction/WET Limit Rationale Attachment Material Stored Attachment 9 Receiving Waters Info./Tier Determination/STORET Data/Stream Modeling Attachment 9 303(d) Listed Segments Attachment 10 TABLE III(a) and TABLE III(b) - Change Sheets Attachment MA EPA Permit Checklist Attachment 12 Chronology Sheet Attachment 13 Other Documents

7.	<b>PERMIT CHARACTERIZATION:</b> (Check as many as appropriate)
	(X) Existing Discharge () Proposed Discharge (X) Municipal (Y) Municipal (Y) MET Limit (Y) Municipal (Y) MET Limit (Y) Interim Limits in Permit (Y) Interim Limits in Other Document (Y) POTW (Y) POTW (Y) POTW (Y) POTW (Y) Private (Y) Private (Y) Private (Y) Water Effects Ratio (Y) Private (Y) Discharge to 303(d) Listed Segment (Y) State (Y) Toxics Management Program Required (Y) Pretreatment Program Required (Y) Pretreatment Program Required (Y) Pretreatment Program Required (Y) Possible Interstate Effect (Y) CBP Significant Dischargers List
8.	RECEIVING WATERS CLASSIFICATION: River basin information.
	Outfall No(s): 001
	Receiving Stream: River Mile: SABLW013.56 Basin: Chowan and Dismal Swamp Subbasin: Chowan River Section: 1 Class: II Special Standard(s): NEW-21 Tidal: 7-Day/10-Year Low Flow: 0.028 MGD 1-Day/10-Year Low Flow: 0.0058 MGD 30-Day/5-Year Low Flow: NA MGD Harmonic Mean Flow: NA MGD
9.	FACILITY DESCRIPTION: Describe the type facility from which the discharges originate.
	EXISTING municipal discharge resulting from the discharge of treated domestic sewage.
10.	LICENSED OPERATOR REQUIREMENTS: ( ) No (X) Yes Class: I
11.	RELIABILITY CLASS: Class I
12.	SITE INSPECTION DATE: 02/11/14 REPORT DATE: 02/27/14
	Performed By: Clyde Gantt
·	SEE ATTACHMENT 1
13.	DISCHARGE(S) LOCATION DESCRIPTION: Provide USGS Topo which indicates the discharge location, significant (large) discharger(s) to the receiving stream, water intakes, and other items of interest.
	Name of Topo: Franklin Quadrant No.: 05B SEE ATTACHMENT 2

ATTACH A SCHEMATIC OF THE WASTEWATER TREATMENT SYSTEM(S) [IND. & MUN.]. FOR INDUSTRIAL FACILITIES, PROVIDE A GENERAL DESCRIPTION OF THE PRODUCTION CYCLE(S) AND ACTIVITIES. FOR MUNICIPAL FACILITIES, PROVIDE A GENERAL DESCRIPTION OF THE TREATMENT PROVIDED.

SEE ATTACHMENT 3

15. DISCHARGE DESCRIPTION: Describe each discharge originating from this facility.

SEE TABLE I - SEE ATTACHMENT 4

16. COMBINED TOTAL FLOW:

TOTAL:	2	.0	MGD (f	or public	notice)		
PR	OCES	S FLOW	7:	M	GD (IND.	.)	
NC	NPRO	CESS/F	RAINFALL	DEPENDENT	FLOW:	**************************************	(Est.)
DE	SIGN	FLOW:	2.0	MGD	(MUN_)		

17. STATUTORY OR REGULATORY BASIS FOR EFFLUENT LIMITATIONS AND SPECIAL CONDITIONS: (Check all which are appropriate)

- X State Water Control Law
- X Clean Water Act
- X VPDES Permit Regulation (9 VAC 25-31-10 et seq.)
- X EPA NPDES Regulation (Federal Register)
  - EPA Effluent Guidelines (40 CFR 133 or 400 471)
- X Water Quality Standards (9 VAC 25-260-5 et seq.)
  Wasteload Allocation from a TMDL or River Basin Plan
- 18. <u>EFFLUENT LIMITATIONS/MONITORING</u>: Provide all limitations and monitoring requirements being placed on each outfall.

SEE TABLE II - ATTACHMENT 5

19. EFFLUENT LIMITATIONS/MONITORING RATIONALE: Attach any analyses of an outfall by individual toxic parameter. As a minimum, it will include: statistics summary (number of data values, quantification level, expected value, variance, covariance, 97th percentile, and statistical method); wasteload allocation (acute, chronic and human health); effluent limitations determination; input data listing. Include all calculations used for each outfall and set of effluent limits and those used in any model(s). Include all calculations/documentation of any antidegradation or antibacksliding issues in the development of any limitations; complete the review statements below. Provide a rationale for limiting internal waste streams and indicator pollutants. Attach chlorine mass balance calculations, if performed. Attach any additional information used to develop the limitations, including any applicable water quality standards calculations (acute, chronic and human health).

## OTHER CONSIDERATIONS IN LIMITATIONS DEVELOPMENT:

VARIANCES/ALTERNATE LIMITATIONS: Provide justification or refutation rationale for requested variances or alternatives to required permit conditions/limitations. This includes, but is not limited to: waivers from testing requirements; variances from technology guidelines or water quality standards; WER/translator study consideration; variances from standard permit limits/conditions.

<u>SUITABLE DATA</u>: In what, if any, effluent data were considered in the establishment of effluent limitations and provide all appropriate information/calculations.

All suitable effluent data were reviewed.

ANTIDEGRADATION REVIEW: Provide all appropriate information/calculations for the antidegradation review.

The receiving stream has been classified as tier 1; therefore, no further review is needed. Permit limits have been established by determining wasteload allocations which will result in attaining and/or maintaining all water quality criteria which apply to the receiving stream, including narrative criteria. These wasteload allocations will provide for the protection and maintenance of all existing uses.

ANTIBACKSLIDING REVIEW: Indicate if antibacksliding applies to this permit and, if so, provide all appropriate information.

There are no backsliding issues to address in this permit (i.e., limits as stringent or more stringent when compared to the previous permit

SEE ATTACHMENT 6

20. SPECIAL CONDITIONS RATIONALE: Provide a rationale for each of the permit's special conditions.

SEE ATTACHMENT 7

21. TOXICS MONITORING/TOXICS REDUCTION AND WET LIMIT SPECIAL CONDITIONS RATIONALE:

Provide the justification for any toxics monitoring program and/or toxics reduction program and WET limit.

SEE ATTACHMENT 8

22. <u>SLUDGE DISPOSAL PLAN</u>: Provide a description of the sludge disposal plan (e.g., type sludge, treatment provided and disposal method). Indicate if any of the plan elements are included within the permit.

The facility handles sludge by 1) composting it on site for local resident use, 2) hauling sludge offsite by a contractor who composts it for sale and 3) hauling excess sludge to the Waverly (Sussex) landfill. This plan has been included in this VPDES application for VDH and DEQ approval. Limitations, reporting and standard special conditions pertaining to this plan are included in Part I of the permit.

23. <u>MATERIAL STORED</u>: List the type and quantity of wastes, fluids, or pollutants being stored at this facility. Briefly describe the storage facilities and list, if any, measures taken to prevent the stored material from reaching State waters.

NONE.

24. RECEIVING WATERS INFORMATION: Refer to the State Water Control Board's Water Quality Standards [e.g., River Basin Section Tables (9 VAC 25-260-5 et seq.). Use 9 VAC 25-260-140 C (introduction and numbered paragraph) to address tidal waters where fresh water standards would be applied or transitional waters where the most stringent of fresh or salt water standards would be applied. Attach any memoranda or other information which helped to develop permit conditions (i.e. tier determinations, PReP complaints, special water quality studies, STORET data and other biological and/or chemical data, etc.

25. <u>305(b)/303(d) Listed Segments</u>: Indicate if the facility discharges to a segment that is listed on the current 303(d) list and, if so, provide all appropriate information/calculations.

This facility discharges directly to the Blackwater River. This receiving stream segment has been listed in Category 5 of the 305(b)/303(d) list for non-attainment of D.O. and E. coli. A TMDL has not been prepared or approved for this stream segment. The permit has water quality-based limits for both D.O. and E.coli which have been achieved and require compliance with the standard prior to discharge. Given these limits, this facility can neither cause or contribute to the observed violation of the standards. The permit contains a TMDL reopener clause which will allow these limits to be modified, in compliance with Section 303(d)(4) of the Act once a TMDL is approved.

This facility discharges directly to the Blackwater River. This receiving stream segment has been listed in Category 5 of the  $305\,(b)/303\,(d)$  list for non-attainment of Mercury in fish tissue. A TMDL has not been prepared or approved for this stream segment. The permit contains a TMDL reopener clause which will allow these limits to be modified, in compliance with Section  $303\,(d)\,(4)$  of the Act once a TMDL is approved.

## SEE ATTACHMENT 9

6. CHANGES TO PERMIT: Use TABLE III(a) to record any changes from the previous permit and the rationale for those changes. Use TABLE III(b) to record any changes made to the permit during the permit processing period and the rationale for those changes [i.e., use for comments from the applicant, VDH, EPA, other agencies and/or the public where comments resulted in changes to the permit limitations or any other changes associated with the special conditions or reporting requirements].

SEE ATTACHMENT 10

27. NPDES INDUSTRIAL PERMIT RATING WORKSHEET:

TOTAL	SCORE	:	 	SEE	E A	TT	AC	CHMENT	
» / »	m1 ·				_				

N/A - This is a municipal facility.

28. <u>DEQ PLANNING COMMENTS RECEIVED ON DRAFT PERMIT</u>: Document any comments received from DEQ planning.

The discharge is not addressed in any planning document but will be included when the plan is updated.

29. <u>PUBLIC PARTICIPATION</u>: Document comments/responses received during the public participation process. If comments/responses provided, especially if they result in changes to the permit, place in the attachment.

<u>VDH/DSS COMMENTS RECEIVED ON DRAFT PERMIT</u>: Document any comments received from the Virginia Dept. of Health and the Div. of Shellfish Sanitation and noted how resolved.

The VDH reviewed the application and waived their right to comment and/or object on the adequacy of the draft permit. VDH Memo received Feb. 7, 2014 recommended a minimum Reliability Class I.

The DSS has no comments on the application/draft permit. Email received 3/24/14.

ATTACHMENT 13

EPA COMMENTS RECEIVED ON DRAFT PERMIT: Document any comments received from the U.S. Environmental Protection Agency and noted how resolved.

EPA has no objections to the adequacy of the draft permit.

By letter dated \_\_\_\_\_, the EPA provided the following comments:

ADJACENT STATE COMMENTS RECEIVED ON DRAFT PERMIT: Document any comments received from an adjacent state and noted how resolved.

Not Applicable.

OTHER AGENCY COMMENTS RECEIVED ON DRAFT PERMIT: Document any comments received from any other agencies (e.g., VIMS, VMRC, DGIF, etc.) and noted how resolved. The draft permit was sent to VMRC and no comments were received

OTHER COMMENTS RECEIVED FROM RIPARIAN OWNERS/CITIZENS ON DRAFT PERMIT: Document any comments received from other sources and note how resolved.

The application and draft permit have received public notice in accordance with the VPDES Permit Regulation, and no comments were received.

PUBLIC NOTICE INFORMATION: Comment Period: Start Date 4/20/14
End Date 5/20/14

Persons may comment in writing or by e-mail to the DEQ on the proposed reissuance of the permit within 30 days from the date of the first notice. Address all comments to the contact person listed below. Written or e-mail comments shall include the name, address, and telephone number of the writer, and shall contain a complete, concise statement of the factual basis for comments. Only those comments received within this period will be considered. The Director of the DEQ may decide to hold a public hearing if public response is significant. Requests for public hearings shall state the reason why a hearing is requested, the nature of the issues proposed to be raised in the public hearing and a brief explanation of how the requestor's interests would be directly and adversely affected by the proposed permit action.

All pertinent information is on file and may be inspected, and arrangements made for copying by contacting Robert Smithsonat: Department of Environmental Quality (DEQ), Tidewater Regional Office, 5636 Southern Boulevard, Virginia Beach, VA 23462. Telephone: 757-518-2106 E-mail: <a href="mailto:robert.smithsonjr@deq.virginia.gov">robert.smithsonjr@deq.virginia.gov</a>

Following the comment period, the Board will make a determination regarding the proposed reissuance This determination will become effective, unless the Director grants a public hearing. Due notice of any public hearing will be given.

## 30. ADDITIONAL FACT SHEET COMMENTS/PERTINENT INFORMATION:

Because the design flow of this municipal facility is greater than 1 MGD, stormwater regulation implementation was considered. Previous application information has indicated that stormwater from the wastewater treatment plant is sheet flow (no point source discharge). Stormwater is not addressed in the permit due to no exposure (copy of certification received from the facility on 03/14/14); forms follows on the next page.

This permit does include a TMP (refer to attachment 8).

Outfall information was submitted for review through DCR's Natural Heritage Program for threatened and endangered species impacts. By letter dated March 12, 2014 DCR stated that "the current activity will not affect any documented state-listed plants or insects" (refer to attachment 13).

## VIRGINIA DEQ NO EXPOSURE CERTIFICATION FOR EXCLUSION FROM VPDES INDUSTRIAL ACTIVITY STORMWATER PERMITTING

Submission of this No Exposure Certification constitutes notice that the entity identified below does not require permit authorization for its stormwater discharges associated with industrial activity under the VPDES Permit Program due to the existence of a condition of **No Exposure**.

A condition of **No Exposure** exists at an industrial facility when all industrial materials and activities are protected by a storm resistant shelter to prevent exposure to rain, snow, snowmelt, and/or runoff. Industrial materials or activities include, but are not limited to, material handling equipment or activities, industrial machinery, raw materials, intermediate products, by-products, final products, or waste products. Material handling activities include the storage, loading and unloading, transportation, or conveyance of any raw material, intermediate product, final product or waste product. A storm resistant shelter is not required for the following industrial materials and activities:

- drums, barrels, tanks, and similar containers that are tightly sealed, provided those containers are not deteriorated and do not leak. "Sealed" means banded or otherwise secured and without operational taps or valves:
- · adequately maintained vehicles used in material handling; and
- final products, other than products that would be mobilized in stormwater discharges (e.g., rock salt).

A No Exposure Certification must be provided for each facility qualifying for the No Exposure exclusion. In addition, the exclusion from VPDES permitting is available on a facility-wide basis only, not for individual outfalls. If any industrial activities or materials are or will be exposed to precipitation, the facility is not eligible for the No Exposure exclusion.

By signing and submitting this No Exposure Certification form, the entity below is certifying that a condition of No Exposure exists at its facility or site, and is obligated to comply with the terms and conditions at 9VAC25-31-120 E

(the VPDES Permit Regulation). Please Type or Print All Information. ALL INFORMATION ON THIS FORM MUST BE PROVIDED. 1. Facility Operator Information Franklin 2. Facility/Site Location Information State: VA Zip: 23851 City: 40/19" Longitude: Latitude: 3. Was the facility or site previously covered under a VPDES stormwater permit? Yes If "Yes", enter the VPDES permit number: Primary: 4452 Secondary (if applicable): 4. SIC/Activity Codes: 5. Total size of facility/site associated with industrial activity: 6. Have you paved or roofed over a formerly exposed pervious area in order to qualify for the No Exposure exclusion? Yes | No 12 If "Yes", please indicate approximately how much area was paved or roofed. Completing this question does not disqualify you for the No Exposure exclusion. However, DEQ may use this information in considering whether stormwater discharges from your site are likely to have an adverse impact on water quality, in which case you could be required to obtain permit coverage. Less than one acre One to five acres More than five acres

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## 7. Exposure Checklist

ch	e any of the following materials or activities exposed to precipitation, now or in the foreseeableck either "Yes" or "No" in the appropriate box.) If you answer "Yes" to any of these questly, you are NOT eligible for the No Exposure exclusion.	e future? tions (1)	(Please through
٠,٠	,,, you are <u>nor</u> engine for the two Exposure exclusion.	Yes	No /
(1)	Using, storing or cleaning industrial machinery or equipment, and areas where residuals from using, storing or cleaning industrial machinery or equipment remain and are exposed to stormwater		4
(2)	Materials or residuals on the ground or in stormwater inlets from spill/leaks		
(3)	Materials or products from past industrial activity		Q
(4)	Material handling equipment (except adequately maintained vehicles)		0
(5)	Materials or products during loading/unloading or transporting activities		
(6)	Materials or products stored outdoors (except final products intended for outside use [e.g., new cars] where exposure to stormwater does not result in the discharge of pollutants)		9
(7)	Materials contained in open, deteriorated or leaking storage drums, barrels, tanks, and similar containers		
(8)	Materials or products handled/stored on roads or railways owned or maintained by the discharger		
(9)	Waste material (except waste in covered, non-leaking containers [e.g., dumpsters])		W
(10	Application or disposal of process wastewater (unless otherwise permitted)		
(11	Particulate matter or visible deposits of residuals from roof stacks and/or vents not otherwise regulated (i.e., under an air quality control permit) and evident in the stormwater outflow		
8. Ce	ertification Statement		
exposi contan	y under penalty of law that I have read and understand the eligibility requirements for claiming ure and obtaining an exclusion from VPDES stormwater permitting; and that there are no discharn inated by exposure to industrial activities or materials from the industrial facility identified in this wed under <u>9VAC25-31-120 E 2</u> ).	ges of st	ormwater
Enviror applica perforr reques	restand that I am obligated to submit a No Exposure Certification form once every five years to a mental Quality and, if requested, to the operator of the local MS4 into which this facility cable). I understand that I must allow the Department, or MS4 operator where the discharge is into an inspections to confirm the condition of no exposure and to make such inspection reports publict. I understand that I must obtain coverage under a VPDES permit prior to any point so water associated with industrial activity from the facility.	discharge the loca cly availa	es (where al MS4, to able upon
accord submit in gath comple	y under penalty of law that this document and all attachments were prepared under my direction ance with a system designed to assure that qualified personnel properly gathered and evaluate ted. Based upon my inquiry of the person or persons who manage the system, or those person tering the information, the information submitted is to the best of my knowledge and belief the tete. I am aware that there are significant penalties for submitting false information, including the prisonment for knowing violations.	ed the inf is directly rue, accu	formation involved urate and
Pri	nt Name: Russeu L. PACE		······
Pri	nt Title: DIRECTOR OF PUBLIC WORKS	·	<b></b>
Em	nail Address: rpace e-franklinva. com		-
Sig	nature: Russell V. Pace Date: 3/12/1	4	
Accepted	Eor Department of Environmental Quality Use Only  M/Not Accepted by:  Date: 3/14/14		

DEQ-WATER FORM **SW-NEC** (9/00)a Page 2 of 3 (2014 Revision)

## ATTACHMENT 1

SITE INSPECTION REPORT/MEMORANDUM

Facility:	CITY OF FRANKLIN WWTP
County/city:	Franklin

	<del></del>
VPDES NO.	VA0023922

## DEPARTMENT OF ENVIRONMENTAL QUALITY WASTEWATER FACILITY INSPECTION REPORT PART 1

Inspection date:		Feb	ruary 11,	, 2014	Dat	te form co	mpleted:	pleted: February 14, 2014				
Inspection by:		(	Clyde Gai	ntt	Ins	nspection agency: DEQ/TRO						
Time spent:			10 Hour	·s	An	Announced Inspection: [ ] Yes [X] No						
Reviewed by: Kenneth T. Raum / 02-20-14						Photogra	phs taken at site	? []Ye	s [X] No			
Present at inspection:		Donnie (	Cagle – Pl	lant Manag	er (7	57) 562-8	551					
FACILITY TYPE:						FACILI'	ΓΥ CLASS:					
(X) Municipal						(X) Maj	or					
( ) Industrial						( ) Min	or					
( ) Federal						( ) Sma	ıll					
( ) VPA/NDC						( ) Hig	h Priority (	)Low Pri	ority			
TYPE OF INSPECTION:												
Routine	X	Rei	nspection				Compliance/a	ssistance/cor	nplaint			
Date of previous inspection	n:		April 29, 2011			Agency: DEQ/TRO						
Population Served:				Connections	Serv	ed:						
Last Month Average: Influent		BOD <sub>5</sub> (mg/l)	N/A	TSS (mg/l)		N/A	Flow (MGD)	N/A				
		Other: D	.O. – 4.8	mg/l, pH —	6.7 s	u.						
Last Month Average: Effluent		BOD₅ (mg/l)	<ql< td=""><td>TSS (mg/l)</td><td></td><td>3</td><td>Flow (MGD)</td><td>1.0</td><td>NH<sub>3</sub> (mg/l)</td><td><ql< td=""></ql<></td></ql<>	TSS (mg/l)		3	Flow (MGD)	1.0	NH <sub>3</sub> (mg/l)	<ql< td=""></ql<>		
		Other: T	N – 13.1	mg/l, TP - 1	l.1 m	ıg/l						
Last Quarter Average: Effluent		BOD₅ (mg/l)	<ql< td=""><td>TSS (mg/l)</td><td></td><td>2.3</td><td>Flow (MGD)</td><td>1.0</td><td>NH<sub>3</sub> (mg/l)</td><td><ql< td=""></ql<></td></ql<>	TSS (mg/l)		2.3	Flow (MGD)	1.0	NH <sub>3</sub> (mg/l)	<ql< td=""></ql<>		
		Other: T	N – 7.1 n	ng/l, TP – 1.	5 mg	<u>:</u> /I						
COPIES TO: (X) DEQ/	TRO; (	X) OWNE	R; ( ) OPI	ERATOR; (	) Ot	her:						

	PLANT	OPERA'	TIC	ON AI	ND MA	(TA	ENA	NCE							
1.	Class/number of licensed operators:	I		1	II		2	III	0		IV	1	Tra	inee	
2.	Hours per day plant manned?					10	)-11	Hrs/Da	ıy: M	-F;	8 Hrs	s/Day: S	at. & S	Sun.	
3.	Describe adequacy of staffing GOOD AVERAGE										GE	X	PO	OR	
4.	Does the plant have an established program for training personnel											YES		NO	Х
5.	Describe the adequacy of training				GOO	D			AVE	RA	GE		PO	OR	Х
6.	Are preventative maintenance tasks schedule	ed										YES	X	NO	
7.	Describe the adequacy of maintenance				GOO	D			AVE	RA	GE	X	PO	OR	
	Does the plant experience any organic/hydra	ulic overl	oad	ing?								YES	X	NO	
8.	If yes, identify cause/impact on plant					Lo	ss of	clarifi	er bla	nk	et/soli	ds discl	arge		
9.	Any bypassing since last inspection?											YES		NO	Х
10.	Is the standby electrical generator operational	վ?						7	ÆS		x	NO		NA	
	How often is the standby generator exercised	l?									Wee	ekly			
11.	Power transfer switch?		N	/ <b>A</b>		AL	ARN.	1 SYS	ГЕМ?			Not	Checke	ed***	
12.	When was the cross connection last tested or	the potal	ble	supply	/?								Not ve	rfied	
13.	Is the STP alarm system operational?							Ŋ	/ES	,	x	NO		NA	
14.	Is sludge disposed in accordance with an app	roved SM	1P					,	ÆS			NO	X	NA	
	Is septage received by the facility?											YES		NO	X
1.5	Is septage loading controlled?							7	/ES			NO		NA	X
15.	Are records maintained?								/ES			NO		NA	X
	ALL ADDEAD ANCE OF EACH ITY			<del></del>	GOO	_	Т		A 3/E		~~	Tv	T	OR.	Ī

OVERALL APPEARANCE OF FACILITY	GOOD	AVERAGE	X	POOR	

## COMMENTS:

- 5 The SCAT Regulations recommend that a plant of this size be staffed 16 hours a day.
- 8 Any significant rainfall generally causes clarifier blanket loss and solids discharge.
- 11 -Plant operated with a "SCADA" computer system. Alarms cannot be checked with system.
- 24 Sludge disposal with McGill in not in the current SMP. However, that option is listed in the permit application received 1/28/14.

FACILITY: Franklin WWTP

1 10	OBLEMS IDENTIFIED AT LAST INSPECTION:	CORRECTED	NOT CORRECTE
1	No documentation of UV intensity was available.		X
	SUMMARY		
INS	SPECTION COMMENTS:		
1	This facility appears to be operating at minimum staffing, process test Process seems to function very well, allowing minimum levels.	ing and general operating levels.	The Schreiber
2	This plant has had problems with I&I in the past. During calendar ye There were two instances of sludge blanket loss/solids discharge during secondary influent appears to have helped with the solids discharge problems.	g the year. Installation of direct	
3	There were two instances of sludge blanket loss/solids discharge during	g the year. Installation of direct oblem.  to determine the effectiveness is	polymer feed to the
3	There were two instances of sludge blanket loss/solids discharge durin secondary influent appears to have helped with the solids discharge pr  The UV system is operating without an intensity meter. The only way	g the year. Installation of direct oblem.  to determine the effectiveness is	polymer feed to the
3	There were two instances of sludge blanket loss/solids discharge durin secondary influent appears to have helped with the solids discharge processing to the UV system is operating without an intensity meter. The only way sample results. However those results are only available several days an example results.	g the year. Installation of direct roblem.  to determine the effectiveness is after the discharge.  staff oversight is required. Plea	polymer feed to the the 3/week E. Coli se submit a letter to

## ATTACHMENT 2

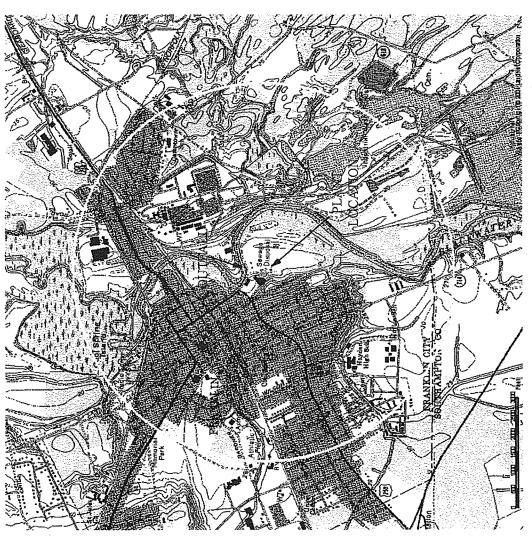
DISCHARGE LOCATION/TOPOGRAPHIC MAP

Lat/Long: 364027 / -765500

Page 5 of 6

Counties: Isle of Wight, City of Franklin

FRANKLIN TOPO 5B.



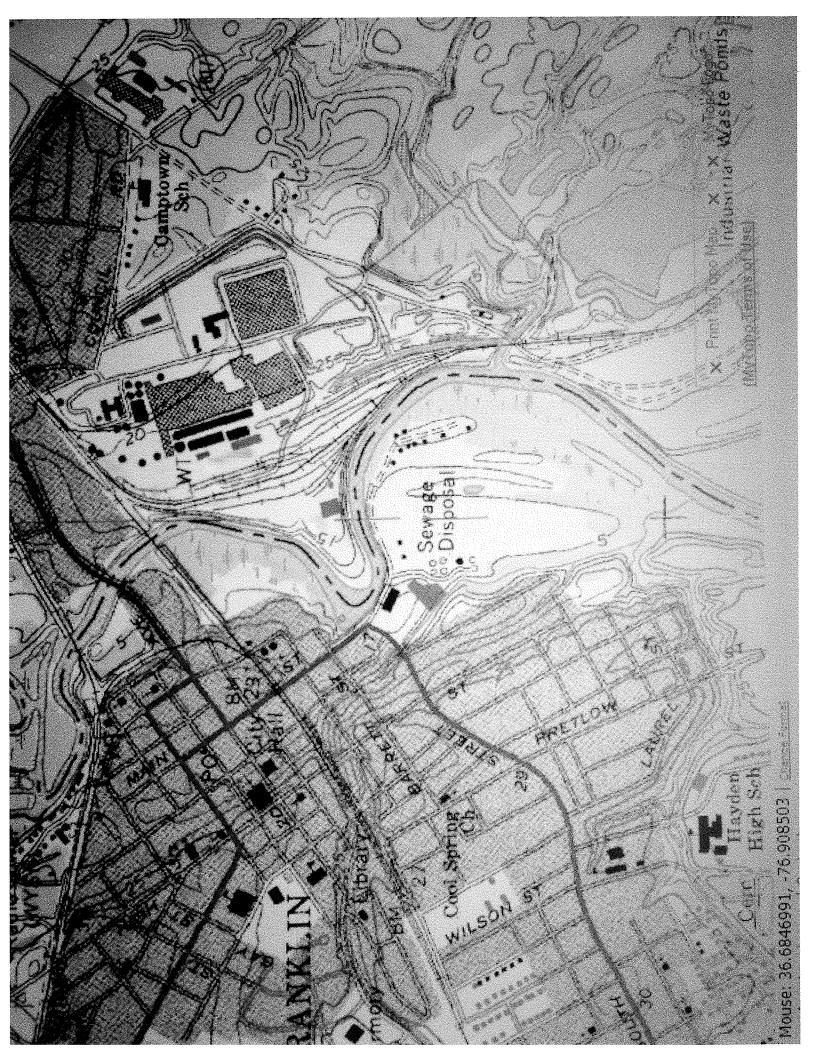
City of Franklin Wastewater Treatment Plant

Owner: City of Franklin

Operator: George Donald Cagle Jr., Plant Manager NPDES Permit: VA0023922

Latitude: N36°40'19"

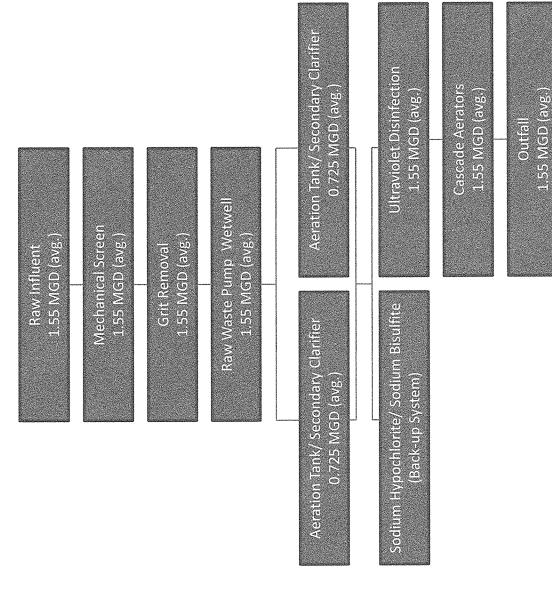
Longitude: W76°55'05"

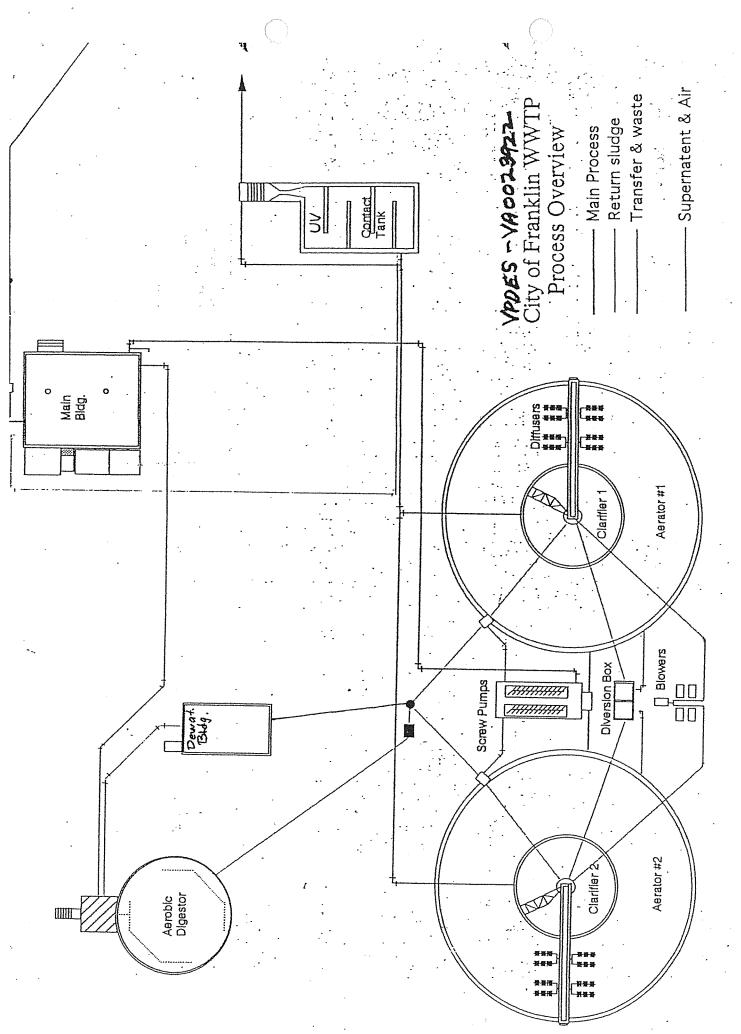


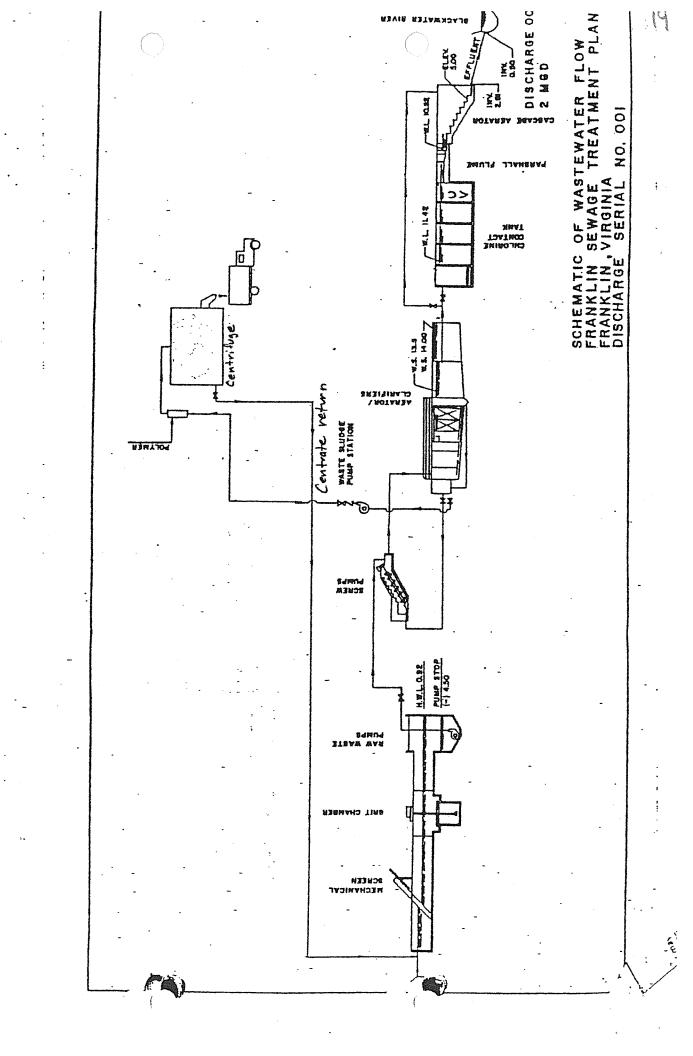
## ATTACHMENT 3

SCHEMATIC/PLANS & SPECS/SITE MAP/ WATER BALANCE

## City of Franklin WWTP Flow Schematic







## ATTACHMENT 4

TABLE I - DISCHARGE/OUTFALL DESCRIPTION

TABLE I NUMBER AND DESCRIPTION OF OUTFALLS

OUTFALL NO.	DISCHARGE LOCATION	DISCHARGE SOURCE	TREATMENT (2)	FLOW (3)
001	36 40 25 76 55 05	Domestic wastewater discharge from a municipal WWTP	Treatment consists of screening, grit removal, activated sludge, extended aeration, secondary sedimentation, UV disinfection, and post aeration. Sludge is aerobically digested and dewatered using centrifuges.	2.0 MGD* *Design flow
			Centifuges.	

- (1) List operations contributing to flow
- (2) Give brief description, unit by unit
- (3) Give maximum 30-day average flow for industry and design flow for municipal

## ATTACHMENT 5

TABLE II - EFFLUENT MONITORING/LIMITATIONS

## TABLE II - MUNICIPAL EFFLUENT LIMITATIONS/MONITORING

Outfall Description: Outfall for the Franklin WWTP SIC CODE: 4952 DESIGN FLOW: 2.0 MGD OUTFALL # 001

Ē ć (X) Final Limits

(X) Final Limits () Inter	Interim Limits	Effective ]	Dates - F	From: rei	reissuance	To: ex	expiration	
CONTINUE OF CONTINUE OF SECUL	; ; ; ;			EFFLUENT I	LIMITATIONS		MONITORING REQUIREMENTS	ILREMENTS
FAKAMEIEK & UNIIS	BASIS FOR LIMITS	DESIGN FLOW MULTIPLIER	MONTHLY	WEEKLY AVERAGE	MINIMOM	MAXIMUM	FREQUENCY	SAMPLE TYPE
Flow (MGD) [a] [2]	£		NL	NA	NA	NL	##	TI & RE*
рн (s.u.)	3		NA	AN	6.0	0.6	1/Month	Grab
BOD5 (mg/1) [c]	1		30	45	NA	NA	5 Days/Week	24 Hr Comp
BODS (kg/d)	1	2.0	227	341	NA	NA	5 Days/Week	24 Hr Comp
TSS (mg/l) [c]	Н		30	45	NA	NA	5 Days/Week	24 Hr Comp
TSS (kg/d)	г	2.0	227	341	NA	##	5 Days/Week	24 Hr Comp
TRC (mg/1) [b] [c]	2	halasa da Amerika da Papara (A. A), de mar de miser de merce de merce mos mentes nos melos este melos este de mente de m	0.008	0.008	AN	NA	1/Day	Grab
D,0. (mg/l)	Ж		NA	NA	6.0	NA	1/Day	Grab
E.Coli (N/100ml) [b]	0		126	NA	NA	NA	3 Days/Week @ 48 hr intervals (Between 10 am & 4 pm)	Grab
Ammonia-Nitrogen (NH3-N) [c]	2		1.9	1.9	AN	NA	1/Month	24 Hr Comp
Total Phosphorus (mg/l)	м		2.0	NI	NA	NA	1/Week	24 Hr Comp
T. Phosphorus (kg/d)	33	2.0	15	NL	NA	NA	1/Week	24 Hr Comp
Total Nitrogen (mg/l)	3		NL	NL	NA	NA	1/Week	24 Hr Comp
Total Nitrogen (kg/d)	3		NL	NL	NA	NA	1/Week	24 Hr Comp

				EFFLUENT I	EFFLUENT LIMITATIONS		MONITORING REQUIREMENTS	UIREMENTS
PAKAMETER & UNITS	BASIS FOR LIMITS	DESIGN FLOW MULTIPLIER	MONTHLY AVERAGE	WEEKLY AVERAGE	MOMINIM	MAXIMUM	FREQUENCY	SAMPLE TYPE
<pre>Total Recoverable Cadmium (ug/l) [c]</pre>	2		0.56	0.56	NA	NA	1/3 Months	24 Hr Comp
Total Recoverable Copper (ug/l) [c]	2		46.4	NA	NA	46.4	1/3 Months	24 Hr Comp
Total Recoverable Zinc (ug/l) [c]	2		36.2	36.2	NA	NA	1/3 Months	24 Hr Comp
Total Recoverable Silver (ug/1) [c]	2		0.32	0.32	AN	NA	1/3 Months	24 Hr Comp

\*Totalizing, Indicating & Recording Equipment

NA = NOT APPLICABLE; NL = NO LIMIT, MONITORING REQUIREMENT ONLY

1/3 Months = In accordance with the following schedule: 1st quarter (January 1 - March 31); 2nd quarter (April 1 - June 30); 3rd quarter (July 1 - September 30); 4th quarter (October 1 - December 31).

Upon issuance of the permit, Discharge Monitoring Reports (DMRs) shall be submitted to the regional office at the frequency required by the permit regardless of whether an actual discharge occurs. In the event that there is no discharge for the monitoring period, then "no discharge" shall be reported on the DMR.

[a] See Part I.C.5. for 95% capacity exceedances [b] See Part I.B for total residual chlorine limitations and bacterial effluent limitations. [c] See Parts I.C.6. and I.C.7. for quantification levels and reporting requirements, respectively.

2. The design flow of this treatment facility is  $2.0~{\rm MGD}$  3. There shall be no discharge of floating solids or visible foam in other than trace amounts.

The basis for the limitations codes are:

1. Technology (e.g., Federal Effluent Guidelines) 2. Water Quality Standards (9 VAC 25-260 et. seg.) 3. Best Professional Judgment

## TABLE II - MUNICIPAL EFFLUENT LIMITATIONS/MONITORING

# A. LIMITATIONS AND MONITORING REQUIREMENTS - SLUDGE

expiration date, the permittee is authorized to manage sewage sludge according to the approved Sludge Management Plan. The pollutants in sewage sludge shall be limited and monitored by the During the period beginning with the permit's effective date and lasting until the permit's permittee as specified below: .

## a. Annual Sludge Production Data

Report annual total amount of sludge produced, in dry metric tons, including units and annual amount of sludge used or disposed in various methods (if applicable).

## b. Chemical Pollutant Limitations

MONITORING	Frequency Sample Type	** Composite	** Composite	** Composite	** Composite	** Composite	** Composite	** Composite	** Composite	** Composite	** Composite
	Ceiling Concentration Frequ Maximum (mg/kg)*	NA	75	85	4,300	840	57	75	420	100	7,500
LIMITATIONS	Monthly Average (mg/kg)*	NL	41	39	1,500	300	17	NA	420	100	2,800
REQUIREMENTS		Percent Solids	Total Arsenic	Total Cadmium	Total Copper	Total Lead	Total Mercury	Total Molybdenum	Total Nickel	Total Selenium	Total Zinc

## TABLE II - MUNICIPAL EFFLUENT LIMITATIONS/MONITORING

LIMITATIONS AND MONITORING REQUIREMENTS - SLUDGE (cont.) Ä.

NL = No limitation, monitoring required

NA = Not applicable

\* = Dry weight basis, unless otherwise stated.

Frequency of sampling biosolids from each generator is based on the amount of biosolids produced for land application See table below for frequency II

Amount of biosofius (dry coils per 303-day period)	sampling Frequency
Greater than zero but less than 320	Once per year
Equal to or greater than 320 but less than 1653	Once per quarter (four times per
	year)
Equal to or greater than 1653 but less than 16,535	Once per 60 days (six times per
	year)
Equal to or greater than 16,535	Per month (12 times per year)

Pathogen Reduction Limitations (Identify the chosen class/alternative(s) in accordance with the approved SMP (may be more than one), specify the applicable monitoring/operation parameters.) ပ

Values for the mean cell residence time and temperature shall be between 15 days 2,000,000 CFU/g; or Class B, Alternative 2, anaerobic digestion - Sewage sludge shall be For example: Class B, Alternative 1, fecal coliform less than either 2,000,000 MPN/g or treated in the absence of air for a specific mean cell residence time at a specific at 35 to 55 degrees Celsius and 60 days at 20 degrees Celsius. temperature.

- Vector Attraction Reduction Limitations: The permittee shall comply with one of the applicable vector attraction reduction alternatives specified in 9 VAC 25-31-720 B. ъ
- All samples shall be collected and analyzed in accordance with the approved O & M Manual. υ ψ

DAY

Š.

YEAR

SIGNATURE

TYPED OR PRINTED NAME

THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURNTE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOMING VIOLATIONS.

DΑΥ

## PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

Franklin City - Wastewater Treatment Plant NAME ADDRESS

501 S Main St

Franklin

vn 23851 FACILITY LOCATION <sup>501</sup> S Main St, Franklin, VA 23851 23851 ΑA

## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES) COMMONWEALTH OF VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

DISCHARGE MONITORING REPORT(DMR)

DEPT. OF ENVIRONMENTAL QUALITY (REGIONAL OFFICE)

03/27/2014

Municipal Major

Tidewater Regional Office 5636 Southern Boulevard

VA 23462 Virginia Beach

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

DAY

YEAR MO

DAY

8

YEAR

FROM

2

MONITORING PERIOD

DISCHARGE NUMBER

PERMIT NUMBER

VA0023922

001

PARAMETER		QUANTII	QUANTITY OR LOADING			QUALITY OR CONCENTRATION	<b>VCENTRATION</b>		Ö.	FREQUENCY SAMPLE	SAMPLE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		ANALYSIS	Y Y H
001 FLOW	REPORTD			AN OPTION OF A LOCAL LAND WITH A LANDAL LANDAU AND A LOCAL LANDAU AND	****	****	*****				
	REGRMNT	2.0	NL	MGD	*****	****	******			CONT	REC
002 рн	REPORTD	***	****			****		Andrew Service and Andrew Servic			
	REGRMNT	****	****		6.0	*****	9.0	su		1/DAY	GRAB
003 BOD5	REPORTD				****	THE PROPERTY OF THE PROPERTY O	and modernical deficiency accompany of the property of the pro	And the second s		and the second s	
	REGRMNT	227	341	KG/D	****	30	45	MG/L		5D/W	24HC
004 TSS	REPORTD				****	and the control of th	And the state of t	destruction recovering the state of the stat		A44 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 -	
	REGRMNT	227	341	KG/D	****	30	45	MG/L		5D/W	24HC
007 DO	REPORTD	*****	****			*****	****	AND THE RESIDENCE OF THE PROPERTY OF THE PROPE			Andreas and control and analysis analysis and analysis analysis and analysis and analysis and analysis and analysis and an
	REGRMNT	*****	****		6.0	****	****	MG/L		1/DAY	GRAB
012 PHOSPHORUS, TOTAL (AS	REPORTD				*****	entrance de la constante de la				A STATE OF THE PARTY OF THE PAR	THE RESIDENCE OF THE PROPERTY
(b)	REQRMNT	15	NL	KG/D	*****	2.0	NL	MG/L		1/W	24HC
013 NITROGEN, TOTAL (AS	REPORTD				****			Anna Agranda de mandra de		VOICE PROPRIETATION CONTRACTOR AND A STATE	did Applice plant to be a set of the set of
(N	REQRMNT	NL	NL	KG/D	*****	NL	NL	MG/L		1/W	24HC
039 AMMONIA, AS N	REPORTD	*****	*****		****		AND THE PROPERTY AND TH	and a supplemental processing a supplemental processing and a supp		TO THE COLUMN TO	
	REGRMNT	REQRMNT ******	******	AND THE PROPERTY AND TH	****	1.9	1.9	MG/L		1/M	24HC

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS QLS = CL2 0.1 mg/l, NH-3 0.2 mg/l, TSS 1.0 mg/l, BOD5 2 mg/l

	R MO.				
	YEA			1	
	CERTIFICATE NO.		TELEPHONE		
	SIGNATURE		CER OR AUTHORIZED AGENT		
	TYPED OR PRINTED NAME		PRINCIPAL EXECUTIVE OFF		
	ATTACHMENTS WERE	WITH A SYSTEM	ER AND EVALUATE	SON OR PERSONS	LE FOR GATHERING
	THIS DOCUMENT AND ALL	VISION IN ACCORDANCE	RECONNEL PROPERLY GATH	AY INQUIRY OF THE PER	WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING
	ENALTY OF LAW THAT	DIRECTION OR SUPER	THAT QUALIFIED PE	TRMITTED. BASED ON P	TEM OR THOSE PERSON
OVERFLOWS	CERTIFY UNDER PE	REPARED UNDER MY	SSIGNED TO ASSURE	IE INFORMATION SU	TO MANAGE THE SYS
	OVERFLOWS	TYPED OR PRINTED NAME SIGNATURE CERTIFICATE NO. YEAR	PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE TYPED OR PRINTED NAME SIGNATURE CERTIFICATE NO. YEAR	TYPED OR PRINTED NAME SIGNATURE CERTIFICATE NO. YEAR SYSTEM PRINCIPAL EXECUTIVE OF BUILDING OF BUILDIN	TYPED OR PRINTED NAME SIGNATURE CERTIFICATE NO. YEAR PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT TELEPHONE

## PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

Franklin City - Wastewater Treatment Plant

FACILITY LOCATION 501 S Main St, Franklin, VA 23851 23851 ďΑ NAME France.
ADDRESS 501 S Main St
Franklin

## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES) DISCHARGE MONITORING REPORT(DMR) COMMONWEALTH OF VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

DISCHARGE NUMBER DAY YEAR MO MONITORING PERIOD 001 2 DAY PERMIT NUMBER VA0023922 Θ YEAR FROM

04/07/2014

Municipal Major

DEPT. OF ENVIRONMENTAL QUALITY (REGIONAL OFFICE)

Tidewater Regional Office 5636 Southern Boulevard

VA 23462 Virginia Beach

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

PARAMETER		QUANTIT	QUANTITY OR LOADING		G	QUALITY OR CONCENTRATION	ICENTRATION		NO.	1 .	SAMPLE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	Ж	ANALYSIS	YPE
120 E.COLI	REPORTD				****		****				
	REGRMNT	****	****		****	126	****	N/CML		3D/W	GRAB
157 CL2, TOTAL CONTACT	REPORTD	****	****			****	****				
	REGRMNT	****	***		1.0	*****	****	MG/L	12	4/DAY	GRAB
158 CL2, TOTAL FINAL	REPORTD	* * * * * * * *	****		****						
-	REGRMNT	***	****		*****	0.008	0.008	MG/L	0	1/DAY	GRAB
186 SILVER, TOTAL	REPORTD				****		****				
RECOVERABLE	REGRMNT	****	****		* * * * * * * * * * * * * * * * * * * *	0.32	****	UG/L		1/3M	24HC
196 ZINC, TOTAL	REPORTD	****	****		****		****				
RECOVERABLE	REGRMNT	****	****		****	36	*****	UG/L		1/3M	24HC
202 CADMIUM, TOTAL	REPORTD	****	****		***		*****				
RECOVERABLE	REGRMNT	****	*****		****	0.56	****	UG/L		1/3M	24HC
203 COPPER, TOTAL	REPORTD				***						
RECOVERABLE	REGRMNT	****	****		****	46.4	46.4	UG/L		1/3M	24HC
213 CL2, INST TECH MIN	REPORTD	* * * * * * * * * * * * * * * * * * * *	****			****	****				
LIMIT	REGRMNT	****	****		0.60	****	****	MG/L		1/DAY	GRAB

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS QLs = CL2  $0.1~{\rm mg/l}$ , NH-3  $0.2~{\rm mg/l}$ , TSS 1.0  ${\rm mg/l}$ , BODS 2  ${\rm mg/l}$ 

BYPASSES AND	TOTAL OCCURRENCES	TOTAL FLOW(M.G.) TOTAL BOD5(K.G.)	TOTAL BOD5(K.G.)	OPERAT	OPERATOR IN RESPONSIBLE CHARGE			DATE	
OVERFLOWS									
I CERTIFY UNDER PE PREPARED UNDER MY	ENALTY OF LAW THAT 1 DIRECTION OR SUPERV	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM	ATTACHMENTS WERE WITH A SYSTEM	TYPED OR PRINTED NAME	SIGNATURE	CERTIFICATE NO.	YEAR	MO.	DAY
DESIGNED TO ASSURE	E THAT QUALIFIED PER HANTTED, BASED ON N	DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SURMITTED. RASED ON MY INCITING OF THE DEPENDENCE.	IER AND EVALUATE	PRINCIPAL EXECUTIVE OFF	PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE			
WHO MANAGE THE SYS	STEM OR THOSE PERSON THE INFORMATION SUBN	WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR STHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE	ILE FOR GATHERING OF MY KNOWLEDGE						
AND BELLEF TRUE, A SIGNIFICANT PENALT POSSIBILITY OF FIN	ACCURATE AND COMPLET FIES FOR SUBMITTING WE AND IMPRISONMENT	AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.	HERE ARE NCLUDING THE NS.	TYPED OR PRINTED NAME	SIGNATURE		YEAR	MO.	DAY

## 260

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

Franklin City - Wastewater Treatment Plant 501 S Main St NAME ADDRESS

FACILITY LOCATION 501 S Main St, Franklin, VA 23851 23851 VΑ Franklin

## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES) DISCHARGE MONITORING REPORT(DMR) COMMONWEALTH OF VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

		,		,
	MBER		MO DAY	
	SE NU	g g	МО	
SP1	DISCHARGE NUMBER	MONITORING PERIOD	YEAR	
		OR IS		2
22	1BER	MON	DAY	
VA0023922	PERMIT NUMBER		Q W	
VA	PERN		YEAR	

FROM

03/24/2014

Municipal Major

DEPT. OF ENVIRONMENTAL QUALITY (REGIONAL OFFICE)

Tidewater Regional Office 5636 Southern Boulevard

VA 23462 Virginia Beach NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

PARAMETER		QUANTII	QUANTITY OR LOADING			QUALITY OR CONCENTRATION	CENTRATION		NO.	FREQUENCY	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		ANALYSIS	۲ ۲
672 SOLIDS, TOTAL, SLUDGE	REPORTD	* * * * * * * * * * * * * * * * * * * *	****		****		****				
AS PERCENT	REGRMNT	****	***		****	NI	*****	%		1/3M	COMP
680 ARSENIC, SLUDGE	REPORTD	****	****		****		order to recent of the contract of the contrac				
	REGRMNT	****	****		*****	41	75	MG/KG		1/3M	COMP
681 MOLYBDENUM, SLUDGE	REPORTD	****	***		****	****					
	REGRMNT	****	****		*****	****	75	MG/KG		1/3M	COMP
682 ZINC, SLUDGE	REPORTD	****	****		****						
	REGRMNT	****	****		****	2,800	7,500	MG/KG		1/3M	COMP
683 LEAD, SLUDGE	REPORTD	****	****		****						
	REGRMNT	****	****		****	300	840	MG/KG		1/3M	COMP
684 NICKEL, SLUDGE	REPORTD	*****	****		*****						
	REGRMNT	* * * * * * * * *	****		****	420	420	MG/KG		1/3M	COMP
685 MERCURY, SLUDGE	REPORTD	*****	****		****						
	REGRMINT	****	****		***	17	57	MG/KG		1/3M	COMP
686 COPPER, SLUDGE	REPORTD	* * * * * * * * * * * * * * * * * * * *	****		****						
	REGRMNT	****	****		*****	1,500	4,300	MG/KG		1/3M	COMP
										,	-

ADDITIONAL PERMIT REQUIREMENTS COMMENTS mg/kg are on a dry weight basis; parameters 691, 693 & 696 are measured in dry metric tons per year (MINYR, defined as 100% solids content)

BYPASSES AND	TOTAL OCCURRENCES	TOTAL FLOW(M.G.) TOTAL BOD5(K.G.)	TOTAL BOD5(K.G.)	OPERAT	OPERATOR IN RESPONSIBLE CHARGE			DATE	
OVERFLOWS									
I CERTIFY UNDER PR	ENALIY OF LAW THAT ? DIRECTION OR SUPER!	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM	ATTACHMENTS WERE WITH A SYSTEM	TYPED OR PRINTED NAME	SIGNATURE	CERTIFICATE NO.	YEAR	MO.	DAY
DESIGNED TO ASSURI	E THAT QUALIFIED PER UBMITTED, BASED ON A	DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INCITIEN OF THE PERSON OF PERSONS	ER AND EVALUATE	PRINCIPAL EXECUTIVE OFF	RINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE			
WHO MANAGE THE SYSTHE INFORMATION, T	STEM OR THOSE PERSON THE INFORMATION SUB	WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEGGE	LE FOR GATHERING OF MY KNOWLEDGE						
AND BELIEF TRUE, 3 SIGNIFICANT PENALS	ACCURATE AND COMPLETING FIES FOR SUBMITTING	AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTYES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE SIGNIFICANT PENALTY.	HERE ARE	TYPED OR PRINTED NAME	SIGNATURE		YEAR	MO.	DAY
rossibiliti of Fil	NE AND IMPRISONMENT	FOSSIBILITY OF FINE AND IMPRISONMENT FOR ANOMING VIOLATIONS.							

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

Franklin City - Wastewater Treatment Plant 501 S Main St NAME ADDRESS

Franklin

FACILITY LOCATION <sup>501</sup> S Main St, Franklin, VA 23851 23851 K.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES) COMMONWEALTH OF VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

DISCHARGE MONITORING REPORT(DMR) SP1 VA0023922

DISCHARGE NUMBER DAY YEAR MO MONITORING PERIOD 2 DAY PERMIT NUMBER S S YEAR

FROM

03/24/2014 Municipal Major

DEPT. OF ENVIRONMENTAL QUALITY (REGIONAL OFFICE)

Tidewater Regional Office 5636 Southern Boulevard

VA 23462 Virginia Beach NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

PARAMETER		QUANTII	QUANTITY OR LOADING		0	QUALITY OR CONCENTRATION	ICENTRATION		S.	FREQUENCY SAMPLE	SAMPLE
-		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		ANALYSIS	I Y PE
687 CADMIUM, SLUDGE	REPORTD	****	****		****						
	REGRMNT	****	*****		****	39	85	MG/KG		1/3M	COMP
691 ANNUAL AMT SLUDGE	REPORTD	***			****	****	***				
DISPOSED BY OTHER MIND	REGRMNT	*****	NL	MINYR	*****	*****	*****			1/YR	COMP
693 ANNUAL SLUDGE	REPORTD	***			*****	****	*****				
PRODUCTION TOTAL	REGRMNT	****	NL	MTNYR	****	*****	****			1/YR	COMP
696 ANNUAL AMT SLUDGE	REPORTD	*****			****	*****	***				
DISPOSED IN LANDFILL	REGRMNT	*****	NL	MTNYR	****	****	****			1/YR	COMP
697 SELENIUM, SLUDGE	REPORTD	****	****		****						
	REQRMNT	****	****		****	100	100	MG/KG		1/3M	COMP
	REPORTD										
	REGRMNT									*****	
	REPORTD										
	REGRMNT									****	
	REPORTD										
	REGRMNT									* * * * * *	

ADDITIONAL PERMIT REQUIREMENTS MAINTS BY 1, 693 & 696 are measured in dry metric tons per year (MINYR, defined as 100% solids content)

BYPASSES AND	TOTAL OCCURRENCES	TOTAL FLOW(M.G.) TOTAL BOD5(K.G.)	TOTAL BOD5(K.G.)	OPERAT	OPERATOR IN RESPONSIBLE CHARGE			DATE	
OVERFLOWS									
I CERTIFY UNDER PE PREPARED UNDER MY	ENALTY OF LAW THAT 1 DIRECTION OR SUPERV	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM	ATTACHMENTS WERE WITH A SYSTEM	TYPED OR PRINTED NAME	SIGNATURE	CERTIFICATE NO.	YEAR	MO.	DAY
DESIGNED TO ASSURI	E THAT QUALIFIED PER UBMITTED, BASED ON N	DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INCITIEN OF THE DEPEND OF PERSONS	ER AND EVALUATE	PRINCIPAL EXECUTIVE OFF	RINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE			
WHO MANAGE THE SYS THE INFORMATION, T	STEM OR THOSE PERSON THE INFORMATION SUBN	WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR STHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE	LE FOR GATHERING OF MY KNOWLEDGE						
AND BELIEF TRUE, 1 SIGNIFICANT PENALT	ACCURATE AND COMPLEY TIES FOR SUBMITTING	AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING PALSE INFORMATION, INCLUDING THE	HERE ARE	TYPED OR PRINTED NAME	SIGNATURE		YEAR	Mg	DAY
POSSIBILITY OF FID	NE AND IMPRISONMENT	POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOMING VIOLATIONS.	NS.						

report or failure to report truthfully can result in civil penalties of \$32,500 per violation, per day and felony prosecutions which can carry a 15 This report is required by your VPDES permit and by law. (See, e.g., the Code of Virginia of 1950 §62.1-44.5 and 9 VAC 25-31-50.) Failure to

# DISCHARGE MONITORING REPORT (DMR) - GENERAL INSTRUCTIONS

- Complete this form in permanent ink or indelible pencil. The use of 'correction fluid/tape' is not allowed.
- Be sure to enter the dates for the first and last day of the period covered by the report on the form in the space marked "Monitoring Period". ri
- For those parameters where the "permit requirement" spaces have a requirement or limitation, provide data in the "reported" spaces in accordance with your permit. ς.
- Enter the average and maximum quantities and units in the "reported" spaces in the columns marked "Quantity or Loading". G/D (Grams/Day) = Concentration (mg/L) x Flow (MGD) x 3785 KG/DAY = Concentration (mg/L) x Flow (MGD) x 3.785 4.
- Enter maximum, minimum, and/or average concentrations and units in the "reported" spaces in the columns marked "Quality or Concentration". က်
- Include any Maximum 7-Day Average and Maximum Weekly Average violations in this field. Permittees with continuous pH, or temperature monitoring For all parameters enter the number of samples which do not comply with the maximum and/or minimum permit requirements in the "reported" space in the column marked "No. Ex." (Number of Exceedances). If none, enter "0". Do NOT include monthly average violations in this field. requirements should consult the permit for what constitutes an exceedance and report accordingly. ဖ
- You are required to sample (at a minimum) according to the Sample Frequencies and Sample Types specified in your permit. 7
- Enter the actual frequency of analysis for each parameter (number of times per day, week, month, etc.) in the "reported" space in the column marked "Frequency of Analysis". œ.
- Enter the actual type of sample (Grab, 8HC, 24HC, etc) collected for each parameter in the "reported" space in the column marked "Sample Type". တ်
- Enter additional required data or comments in the space marked "additional permit requirements or comments". If additional required data or comments are appended to the DMR, reference appended correspondence in this field <del>1</del>0
- Record the number of bypasses during the month, the total flow in million gallons (MG) and BOD5 in kilograms (KG) in the proper columns in the section marked "Bypasses and Overflows" <del>''</del>
- The operator in responsible charge of the facility should review the form and sign in the space provided. If the plant is required to have a licensed operator or if the operator in responsible charge of the facility is a licensed operator, the operator's signature and certificate number must be reported in the spaces provided. 4
- The principal executive officer then reviews the form and must sign in the space provided and provide a telephone number where he/she can reached. Every page of the DMR must have an original signature. 2
- Send the completed form(s) with original signatures to your Department of Environmental Quality Regional Office by the 10th of each month unless otherwise specified in the permit. 4.
- 15. You are required to retain a copy of the report for your records.
- Where violations of permit requirements are reported, attach a brief explanation in accordance with the permit requirements describing causes and corrective actions taken. Reference each separate violation by date. 16.
- If you have any questions, contact the Department of Environmental Quality Regional Office listed on the DMR. 17.

## ATTACHMENT 6

EFFLUENT LIMITATIONS/MONITORING RATIONALE/SUITABLE DATA/
ANTIDEGRADATION/ANTIBACKSLIDING

## RATIONALE FOR EFFLUENT LIMITATIONS AND MONITORING

There has been little to no change with this permit since the last permit reissuance. There has been no new receiving stream information or facility information received. Therefore, there is no change in any permit limits from the previous permit.

## Outfall 001

Flow:

No limit, monitoring is required with continuous, totalizing, indicating or recording equipment. This based on the VPDES Permit Manual, and is standard for sanitary wastewater plants with discharges 2 MGD or greater. The design flow of 2.0 MGD is the baseline for the 95% design flow capacity notification.

pH:

Minimum limit of 6.0 and maximum of 9.0 S.U. These limits are based on Federal Effluent Guidelines (40 CFR 133.102). Monitoring is a daily grab sample and is standard for sanitary WW plants with discharges 2 MGD or greater.

BOD5:

Monthly average of 30 mg/l and 227 kg/day and a weekly average of 45 mg/l and 341 kg/day. This is based on Federal Effluent Guidelines (40 CFR 133.102) which sets the limits for secondary WW plants. Monitoring required is a 24 hour composite, 5 days a week. Monitoring frequency is based on the VPDES permit manual.

TSS:

Monthly average of 30 mg/l and 227 kg/day and a weekly average of 45 mg/l and 341 kg/day. This is based on Federal Effluent Guidelines (40 CFR 133.102) which sets the limits for secondary WW plants. Monitoring required is a 24 hour composite, 5 days a week. Monitoring frequency is based on the VPDES permit manual.

Total Phosphorus: Monthly average of 2.0 mg/l and 15 kg/day is based on the DEQ Regulation for Nutrient Enriched Waters for WWTP over 1MGD (9 VAC 25-40-30). Monitoring required is a 24 hour composite, 1/week.

Total Nitrogen: Monthly average of No limit (NL) for both concentration (mg/l) and loading (kg/d). Monitoring is required 1/week with a 24 hour composite. TN was first added to the permit based upon the DEQ nutrient policy. Monitoring and frequency will be carried forward for this reissuance based upon best professional judgment (BPJ). The Blackwater River remains classified as Nutrient Enriched Waters in the Virginia Water Quality Standards.

D.O.:

Minimum limit of 6.0 taken as a grab sample. This limit is carried forward from the previous permit. BPJ to protect water quality.

E. Coli:

Monthly average limit of 126 N/100 ml at a 3 Day/Week frequency taken at 48 hour intervals between the times of 10AM and 4PM. 48 hour intervals are to ensure continuous adequate disinfection. This limit is carried forward from the current permit and is required based on water quality standards 9 VAC 25-260-170.

TRC:

Total residual chlorine is only in the permit as a backup for UV disinfection. Limits of 0.0080 monthly and weekly average are carried forward from the previous permit. TRC monitoring will only occur when the alternate disinfection (UV) is not in use. The monitoring frequency will be 1/Day if there is a need to monitoring TRC.

Ammonia (NH<sub>3</sub>):

Monthly and weekly average limits of 1.9 mg/l had been previously established and will be carried forward to the current permit. Monitoring is 1/Month using a 24 hour composite.

Total
Recoverable
Cadmium:

Monthly and weekly average limits of 0.56 ug/l had been previously established based on water quality standards modeling from data submitted by the permittee. These limits and the monitoring frequency of 1/3 Months, using a 24-hour composite will be carried forward to the current permit.

Total Recoverable Copper: Monthly average limit and a maximum limit of 46.4 ug/l had been previously established based on the results of a site specific alternative criteria study. Franklin performed a Water Effects Ratio (WER) study and submitted the results in January 2007. The WER was approved by EPA in December 2007. The permit was modified to include the WER for Copper in 2008 and was signed 5/8/08. The following language taken from the Water Quality Standards (9 VAC 25-260-140) applies to WERs.

Water effect ratio.

- 1. A water effects ratio (WER) shall be determined by measuring the effect of receiving water (as it is or will be affected by any discharges) on the bioavailability or toxicity of a metal by using standard test organisms and a metal to conduct toxicity tests simultaneously in receiving water and laboratory water. The ratio of toxicities of the metal(s) in the two waters is the WER (toxicity in receiving water divided by toxicity in laboratory water = WER. Once an acceptable WER for a metal is established, the numerical value for the metal in subsection B of this section is multiplied by the WER to produce an instream concentration that will protect designated uses. This instream concentration shall be utilized in permitting decisions.
- 2. The WER shall be assigned a value of 1.0 unless the applicant or permittee demonstrates to the department's satisfaction in a permit proceeding that

another value is appropriate, or unless available data allow the department to compute a WER for the receiving waters. The applicant or permittee is responsible for proposing and conducting the study to develop a WER.

4. The Environmental Protection Agency views the WER in any particular case as a site-specific criterion. Therefore, the department's Division of Scientific Research or its successor shall submit the results of the study to the Environmental Protection Agency for review and approval/disapproval within 30 days of the receipt of certification from the state's Office of the Attorney General. Nonetheless, the WER is established in a permit proceeding, shall be described in the public notice associated with the permit proceeding, and applies only to the applicant or permittee in that proceeding. The department's action to approve or disapprove a WER is a case decision, not an amendment to the present regulation.

The limits and monitoring frequency of 1/3 Months, using a 24-hour composite will be carried forward to the current permit.

Total Recoverable Silver: Monthly and weekly average limits of 0.32 ug/l had been previously established based on water quality standards modeling from data submitted by the permittee. These limits and the monitoring frequency of 1/3 Months, using a 24-hour composite will be carried forward to the current permit.

Total Recoverable Zinc:

Monthly and weekly average limits of 36 ug/l had been previously established based on water quality standards modeling from data submitted by the permittee. These limits and the monitoring frequency of 1/3 Months, using a 24-hour composite will be carried forward to the current permit.

# FRESHWATER WATER WATER QUALITY CRITERIA / WASTELOAD ALLOCATION ANALYSIS

Facility Name: Franklin WWTP

Permit No.: VA0023922

Version: OWP Guidance Memo 00-2011 (8/24/00)

Receiving Stream: Blackwater River

Stream Information		Stream Flows		Mixing Information		Effluent Information	
Mean Hardness (as CaCO3) =	38 mg/L	1Q10 (Annual) ==	0.0058 MGD	Annual - 1Q10 Mix =	70.74 %	Mean Hardness (as CaCO3) ==	22 mg/L
90% Temperature (Annual) =	26.7 deg C	7Q10 (Annual) =	0.028 MGD	- 7Q10 Mix =	400 %	90% Temp (Annual) =	27 deg C
90% Temperature (Wet season) =	23.6 deg C	30Q10 (Annual) =	N/A MGD	- 30Q10 Mix =	100 %	90% Temp (Wet season) =	O geb
90% Maximum pH =	0.9 SU	1Q10 (Wet season) =	= MGD	Wet Season - 1Q10 Mix =	%	90% Maximum pH =	7.62 SU
10% Maximum pH ==	6.1 SU	30Q10 (Wet season)	) MGD	- 30Q10 Mix =	%	10% Maximum pH =	7.08 SU
Tier Designation (1 or 2) ≂		3005 ≈	1.07 MGD			Discharge Flow =	2 MGD
Public Water Supply (PWS) Y/N? =		Harmonic Mean ==	MGD				
Trout Present Y/N? =	<b>c</b>						
Early Life Stages Present Y/N? =	<b>&gt;</b>						

Parameter	Background		Water Quality Criteria	ity Criteria			Wasteload Allocations	Mocations		Ant	Antidegradation Baseline	n Baseline		Antik	Antidegradation Allocations	locations		æ	fost Limitin	Most Limiting Allocations	
(ug/i unless noted)	Conc.	Acute	Chronic	HH (PWS)	Ŧ	Acute	Chronic   F	HH (PWS)	壬	Acute C	Chronic H	HH (PWS)	Ŧ	Acute	Chronic HH	HH (PWS)	Ŧ	Acute	Chronic	HH (PWS)	풒
Acenapthene	ß	ı	ţ	na	9.9E+02	I	;	na	1.5E+03	;	1	:	ı		1	;	:		,	er.	1.5E+03
Acrolein	0	1	ı	na	9.3E+00	ı	ì	na	1.4E+01	ı	1	;		ı	ı	1	:	ı	:	ē	1.4E+01
Acrytonitrile <sup>c</sup>	0	1	1	na	2.5E+00	1	1	na	#VALUE!	1	t	ı		ı	1	ı	,	ı	:	E C	#VALUE!
Aldrin <sup>C</sup> Ammonia-N (moll)	0	3.0E+00	1	na	5.0E-04	3.0E+00	;	na	#VALUE!	i	ì	1	1	ı	ı	i	1	3.0E+00	ı	na	#VALUE!
(Yearly)	0	1.66E+01	#VALUE!	na	1	1.66E+01 #VALUE	#VALUE!	na	ı	;	ŀ	ı	1	;	ı		-	1.66E+01	#VALUE!	na	ı
(High Flow)	o	#VALUE!	#VALUE!	Па	ı	#VALUE!	#VALUE!	a	ı	ı	;	1	<u>ı</u>	ı	ı	1	## 	#VALUE!	#VALUE!	e e	1
Anthracene	0	1	1	na	4.0E+04	ı	1	na	6.1E+04	ŀ	ı	,	;	1	1	1	:	ı	ı	e c	6.1E+04
Antimony	0	ı	1	na	6.4E+02	ŧ	ŀ	na	9.8E+02	ı	ı	1	ı	ŧ	;	ı	ŀ	:	;	es C:	9.8E+02
Arsenic	0	3.4E+02	1.5E+02	na	ı	3.4E+02	1.5E+02	na	 I	ı	1	ł	ı	1	ı	;	1	3,4E+02	1.6E+02	g	ı
Barium	0	ı	ı	па	ı	ı	ı	na	1	ı	1	;		ı	ı	1		ı	ı	п	ı
Benzene <sup>c</sup>	0	ı	1	na	5.1E+02	;	:	na	#VALUE!	1	1	ì	:	1	:	1	1	1	ı	ë	#VALUE!
Benzidine <sup>c</sup>	0	ı	1	na	2.0E-03	1	ı	na H	#VALUE!	;	;	:	ı	ï	ł	;	ı	1	i	e C	#VALUE!
Benzo (a) anthracene <sup>c</sup>	0	ì	ı	na	1.8E-01	1	ı	na	#VALUE!	ı	1	;	1	ı	ı	4	1	ī	ı	ë	#VALUE!
Benzo (b) fluoranthene <sup>c</sup>	.0	1	:	a	1.8E-01	:	1	na	#VALUE!	ı	;	ı		ı	ı	ı	:	:	:	ā	#VALUE!
Benzo (k) fluoranthene <sup>c</sup>	0	ı	i	a	1.8E-01	1	1	na	#VALUE!		;	ı	 I	;	ı	ı	· ·	ı	:	# C	#VALUE!
Benzo (a) pyrene <sup>c</sup>	0	1	;	ng U	1.8E-01	:	ı	na	#VALUE!	ı	•	;		ı	;			:	:	E.	#VALUE!
Bis2-Chloroethyl Ether <sup>c</sup>	0	1	1	na	5.3E+00	i	ŀ	na	#VALUE!	ı	ł	ı		1	1	1	ţ	1	;	ğ	#VALUE!
Bis2-Chloroisopropyl Ether	0	;	ı	na	6.5E+04	ı	ı	па	1.0E+05	1	ı	1		1		,	ı	:	4	na na	1.05+05
Bis 2-Ethylhexyl Phthalate <sup>c</sup>	0	1	:	na	2.2E+01	ı	ı	na	#VALUE!	ı	ı	ı		;	1	;	1	ı	i	EL.	#VALUE!
Bromoform <sup>c</sup>	0	1	:	na	1.4E+03	ı	i	па	#VALUE!	;	ı	1	;	ı	ı	:	ì	;	ŀ	ë	#VALUE!
Butylbenzylphthalate	0	1	ı	na	1.9E+03	ŀ	÷	na	2.9E+03	1	}	1	1	ı	;	;	1	ı	:	g	2.9E+03
Cadmium	0	8.2E-01	3.8E-01	na	ı	8.2E-01	3.9E-01	na	1	i	ı	ı	;	ı	ı	ı		8.2E-01	3.9E-01	ë	:
Carbon Tetrachloride <sup>c</sup>	0	ı	i	na	1.6E+01	ı	ı	na	#VALUE!	;	1	;		1	1	ı	1	1	:	en	#VALUE!
Chlordane <sup>c</sup>	0	2.4E+00	4.3E-03	па	8.1E-03	2.4E+00	4.4E-03	na	#VALUE!	ı	ı	í		:	1	;	1	2.4E+00	4.4E-03	E	#VALUE!
Chloride	0	8.6E+05	2.3E+05	na	ı	8.6E+05	2.3E+05	В	ı	i		:		:	1	1	1	8.6E+05	2.3E+06	E.	ı
TRC	0	1.9E+01	1.1E+01	na	ı	1.9E+01	1.1E+01	В	1	;	;	:	1	1	1	1	1	1.9E+01	1.1E+01	Ē	;
Chlorobenzene	0	1	1	па	1.6E+03	;	:	na	2.5E+03		:	,		;	1	;	-	1		na	2.5E+03

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Parameter	Background		Water Ou	Water Quality Criteria			Wasteload Allocations	Mocations		A	Antideoradation Baseline	Raseline	-	Antic	Antideorate Antideorations	Mocations	-	2	Month in items ( )	acita cil A	
(ua/I unless noted)	Conc	Acute	Chronic	Chronic HH (PWS)	HH	Acute	Chronic HH (PWS)	(SMd) H	Ŧ	Acrite	Chronic HH (P\WS\	1	<del> </del>	Acuto	Chronic HH (B)MS)	(S/Via/ F	-	a chick	Chronia C	THOCARION	
Chlorodibromomethane			2115	201	J	and a	2000	(61.1)		1	200000		=	1	2110115	(casa)	=	$\dashv$	2	HH (PWS)	E
	<b>.</b>	1	ŀ	ā	1.3E+02	1	;	na e	#VALUE!	:	ı	ı	1	1	ı	ı	1		ı	e	#VALUE!
Chloroform	0	:	;	na	1.1E+04	ı	1	na	1.7E+04	ŧ	1	1		ı	ı	:	1	,	:	e	1.7E+04
2-Chloronaphthalene	0	ı	1	na	1.6E+03	!	ŧ	na	2.5E+03	ı	í	ŧ		1	1		ı	:	:	e c	2.6E+03
2-Chlorophenol	0	ı	ı	B	1.5E+02	1	1	na	2.3E+02	ı	1	ı	1	ı	ı	ı	1	1	ı	a E	2.3E+02
Chlorpyrifos	0	8.3E-02	4.1E-02	ВП	1	8.3E-02	4.2E-02	na	1	1	ï	ı	 1	ı	;	:		8.3E-02	4.2E-02	ē	ı
Chromium III	0	1.8E+02	2.4E+01	na	1	1.8E+02	2.4E+01	na	ı	:	1	:	<u> </u>	1	t	ţ	1	1.8E+02	2.4E+01	e	;
Chromium VI	0	1.6E+01	1,1E+01	na	1	1.6E+01	1.1E+01	na	1	;	;	ı	1	;	:	;	ı	1.6E+01	1.1E+01	ā	:
Chromium, Total	0	ı	1	1.0E+02	ı	1	ı	na	'	ı	ı	ı	1	1	1	1		ı	:	a	1
Chrysene <sup>c</sup>	0	:	1	na	1.8E-02	;	1	B	#VALUE!	1	ı	ŧ		;	ı	1	ı	:	:	ē	#VALUE!
Copper	0	3.6E+00	2.7E+00	na	ı	3.6E+00	2.8E+00	ВП	ı	;	:	ı	:	1	1	:	1	3.6E+00	2.8E+00	E E	1
Cyanide, Free	0	2.2E+01	5.2E+00	na	1.6E+04	2.2E+01	5.3E+00	en	2.5E+04	;	1	. 1	1	1	ı	1	1	2.2E+01	5.3E+00	ĕ	2.5E+04
و موم موم	0	1	ŧ	e E	3.1E-03	ı	1	na	#VALUE!	í	ı	ı	:	1	ı	ı	1	ı	1	E	#VALUE!
ooe °	.0	;	1	na	2.2E-03	1	1	na	#VALUE!	i	ı	1	;		1	1	1	1	ı	e	#VALUE!
DDT <sup>c</sup>	0	1.1E+00	1.0E-03	na	2.2E-03	1.1E+00	1.0E-03	na	#VALUE!	ı	ı	;		;	1	ı	1	1.1E+00	1.0E-03	na	#VALUE!
Demeton		1	1.0E-01	na	ı	ı	1.0E-01	na	1	ı	1	:		i	;	1	1	:	1.0E-01	ë	1
Diazinon	0	1.7E-01	1.7E-01	na	1	1.7E-01	1.7E-01	na	ı	1	:	;		ı	;	ı	1	1.7E-01	1.7E-01	e e	1
Dibenz(a,h)anthracene <sup>c</sup>	0	;	ì	na	1.8E-01	ı	1	na	#VALUE!	ı	1	:	ı	;	i	į	1	1	1	e C	#VALUE!
1,2-Dichlorobenzene	0	ı	:	пa	1.3E+03	1	1	па	2.0E+03	1	1	1	1	:	1	ı	1	ı	·	E	2.0E+03
1,3-Dichlorobenzene		ı	1	na	9.6E+02	!	1	na	1.5E+03	ł	1	ı	ı	1	1	;		:		E	1.5E+03
1,4-Dichlorobenzene	0	!	t	na	1.9E+02	1	1	па	2.9E+02	ì	ı	1		,	ı	;		:	ı	E	2.9E+02
3,3-Dichlorobenzidine <sup>c</sup>	0	1	1	па	2.8E-01		ı	80	#VALUE!	1	ı	:	1	1	1	ı	1	:	:		#VALUE!
Dichlorobromomethane <sup>c</sup>	0	ŧ	t	B	1.7E+02	1	;	na	#VALUE!	1	1	,		Į,	ı	:		:	:	20	#VALUE!
1,2-Dichloroethane <sup>c</sup>	0	ı	1	na	3.7E+02	1	ı		#VALUE!	ı	ŀ	ī		· 1	1	1		,	:		#VALUE
1,1-Dichloroethylene	0	1	1	na	7.1E+03		, 1		1.1E+04	ı		:	1	1	1	;	i		1		1 1E+04
1,2-trans-dichloroethylene	. 0	ï	ı	na	1.0E+04		;	na	1.5E+04	ŗ	:	:		:	1	1			:		1 58+04
2,4-Dichlorophenol	0	1	į	na	2.9E+02	1	ı	na	4.5E+02	ı	ŀ	;		1	1	ì		1	1		4.55+02
2,4-Dichlorophenoxy		1	i	Ċ			:	ç												!	!
acetic acid (z,4-U)	o (	ı	:	<u> </u>	1 1	<b>!</b>	:			1	1	ı	1	1	ı	ł	;	:	ı	e e	1
1,2-Dichiolopiopane		1	:	e :	1.5E+02	1			#VALUE!	;	ŧ	1		!	1	ı	1	ı	ı	e c	#VALUE!
c.s-Dichloropiopene	<b>o</b>	:	1	па	2.15+02	ı	ı		#VALUE!	ı	1	t	1	ı	1	1	;	:	;	na	#VALUE!
	•	2.4E-01	5.6E-02	e E	5.4E-04	2.4E-01	5.7E-02		#VALUE!	1	ı	ı	;	ŧ	ı	ı		2.4E-01	6.7E-02	er er	#VALUE!
Diethyl Phthalate	0	i	1	na	4.4E+04	;	ı	na	6.8E+04	1	1	ı	1	ı	1	ı	1	ı	:	n	6.8E+04
2,4-Dimethylphenol	0	ł	1	па	8.5E+02	ŀ	:	na	1.3E+03	ı	ı	ı	·	1	1	ı	1	;	:	па	1.3E+03
Dimethyl Phthalate	0	ţ	ŧ	na	1.1E+06	1	i	na	1.7E+06	;	1	ì	;	ı	ı	ı	1	1	ı	na	1.7E+06
Di-n-Butyl Phthalate	0	ı	:	па	4.5E+03	ı	ı	na	6.9E+03	1	1	ŀ	,	;	;	1	;	1	1	na	6.9E+03
2,4 Dinitrophenol	0	ı	:	na	5.3E+03	1	1	na	8.1E+03	1	;	ı		1	1	1	ı	:	:	na	8.1E+03
2-Methyl-4,6-Dinitrophenol	0	ı	;	Б	2.8E+02	ı	ı	na	4.3E+02	ı	ŧ	1		ı	ı	1	1	;	:	e E	4.3E+02
2,4-Dinitrotoluene <sup>c</sup>	0	1	ı	na	3.4E+01	1	ı	B	#VALUE!	ı	ŧ	ı	1	ı	ı	1	·	;	,	na e	#VALUE!
tetrachlorodibenzo-p-dioxin	0	î	ı	na	5.1E-08	1	1	na	7.8E-08	1	1	ı		i	ì	ı	1	1		g	7.8E-08
1,2-Diphenylhydrazine <sup>c</sup>	0	1	ı	na	2.0E+00	ı	ı		#VALUE!	:	í	ı	1	1	1	,	1	;	:	Ë	#VALUE!
Alpha-Endosulfan	0	2.2E-01	5.6E-02	na	8.9E+01	2.2E-01	5.7E-02	na	1.4E+02	1	ŧ	t		ı	1	ı	1	5	6.7E-02	Ē	1.4E+02
Beta-Endosulfan	0	2.2E-01	5.6E-02	na	8.9E+01	2.2E-01	5.7E-02	na	1.4E+02	1	ı	1	 I	ı	ı	1			6.7E-02	13	1.4E+02
Alpha + Beta Endosulfan	0	2.2E-01	5.6E-02	ł	ı	2.2E-01	5.7E-02	ı	1	1	ï	1		1	1	ı	1		6.7E-02	1	. 1
Endosulfan Sulfate	0	1	ı	na	8.9E+01	ŧ	ŧ	ec	1.4E+02	1	;	1		1	ı	1	ı		! !	e	1.4E+02
Endrin	0	8.6E-02	3.6E-02	na	6.0E-02	8.6E-02	3.7E-02	вп	9.2E-02	1	ı	1		1	1	ı	1	02	3.7E-02	- E	9.2E-02
Endrin Aldehyde	0	1	1	na	3.0E-01	ı	ł	B	4.6E-01	ţ	i	ı		1	ı	ı	1		:	e c	4.6E-01

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Darameter	Background		Water Quality Criteria	tv Criteria			Wasteload Allocations	locations	-	Ą	Antideoreadation Raceline	, Racolino	F	And	Antideoradation Allocations	Allocations			Most I imiting	Most I imiting Allocations	
(ug/l unless noted)	Conc.	Acute	Chronic	Chronic HH (PWS)	Ŧ	Acute	Chronic HH	H (PWS)	Ŧ	Acute	Chronic HH (PWS)	4 (PWS)	Ŧ	Acute	Chronic HH (PWS)	H (PWS)	王	Acute	Chronic	HH (PWS)	₹
Ethylbenzene	0	;	1	na	2.1E+03	I	1	na	3.2E+03					1		-	-	-	-	na na	3.2E+03
Fluoranthene	0	i	1	E	1.4E+02	ı	ı	e c	2.1E+02	ı	i	;	+	ı	1	ı	1	ı	i	ē	2.1E+02
Fluorene	0	1	1	na	5.3E+03	ı	ı	na	8.1E+03	1	1	1		;	ı	ŀ	1	ı	ı	g	8.1E+03
Foaming Agents	0	ı	1	na	1	1	i	na	1	ı	1	1	1	1	1	1	ı	ı	ı	na	ı
Guthion	0	1	1.0E-02	e E	ı	1	1.0E-02	na E		ı	ı	1	1	1	1	ł	1	1	1.0E-02	e	1
Heptachlor <sup>c</sup>	0	5.2E-01	3.8E-03	na	7.9E-04	5.2E-01	3.9E-03	na	#VALUE!	ì	:	:		;	ŧ	i	ı	6.2E-01	3,9E-03	e	#VALUE!
Heptachlor Epoxide <sup>c</sup>	0	5.2E-01	3.8E-03	па	3.9E-04	5.2E-01	3.9E-03	na	#VALUE!	1	ı	ı		1	ı	ı	ı	5.2E-01	3.9E-03	na	#VALUE!
Hexachlorobenzene <sup>c</sup>	0	ì	1	a	2.9E-03	ı	ì	na #	#VALUE!	1	ı	1	<u>-</u>	1	;	1	ı	ı	;	en	#VALUE!
Hexachlorobutadiene <sup>c</sup>	0	ı	t	na	1.8E+02	1	ı	eu #	#VALUE!	ı	ŧ	,	 I,	ı	1	i	ı	ı	ì	E	#VALUE!
Hexachlorocyclohexane				ç	000			•							:			1	:	ŝ	1977
Hexachlorocyclohexane	<b>3</b>	1	ı	œ.	4.9E-02	1	:	a c	TA ALOE	:	ı	ı	:	:	1	ī	ı	:	:	Ē	#VALUE!
Beta-BHC <sup>c</sup>	0	ı	1	ā	1.7E-01	ı	1	na #	#VALUE!	į	1	1	1	ı	1	1	ı	ı	ı	па	#VALUE!
Hexachlorocyclohexane Gamma-BHC <sup>c</sup> (Lindane)	c	9.5F-01	ď	ā	187	9.5F-01	ı	e c	#VAI I IFI	;	1	,		:	;	ı	1	9. 10. 17.	1	9	#//41 1151
Hexachlorocyclopentadiene	· c		2 1		1 1 1 1 1 0 3	1	1	1 5	1 75+03		: :				: 1	: 1			: :	£ £	1 75403
Haxachloroethane			: 1	2 6	3.35+04	: 1	: 1	3 6		! !	: :	1 1		1 1		1 1	· ·	<b>!</b> !	: :		WALEE
Hydrogop Suffide	> 0		0	<u> </u>	2	l :	001100	<u> </u>	100		ı	: :		ı	ı	ı		ı	: ::	<u> </u>	11074
Indeno (1.2.3-cd) pyrene <sup>c</sup>		: 1	10:4	<u> </u>	1 8F-01		8 1	; c	#VA111F1	: 1	: ;	: 1			: :	ı t		: :		<u> </u>	#\4
Iron		ı	ı	. e	1	ı	1		· ·	ı	ı	ı		1	1	;	1	;	1	: E	
Isophorone		;	ı	2 6	9 6 1 + 03	ı	1		#VA! ! !F!	ı	;	1		ı	ı	ŀ	۱	;	ı		#VAL 11E1
Кероле	0	į	0.0E+00	: E	! !	ı	0.05+00	, E	i ! !	:	;	1		1	1	1	:	;	0.0E+00	. E	,
Lead	0	2.0E+01	2.3E+00	, au	ı	2.0E+01	2.3E+00	eu	ı	,	;	:	1	ı	1	ï	;	2.0E+01	2.3E+00	- C	
Malathion	0	1	1.0E-01	80	ı		1.0E-01	na	1	1	1	1	1	ı	į	1	ı	1	1.0E-01	en en	:
Manganese	0	:	ŀ	na	1		ı	na	;	1	1	:		ı	;	ı	1	:	1	ë	ı
Mercury	0	1.4E+00	7.7E-01	;	;	1.4E+00	7.8E-01	:	:	1	ı	ı		;	ı	ı	1	1.4E+00	7.8E-01	:	;
Methyl Bromide	0	ı	1	na	1.5E+03	ı	ı	па	2.3E+03	ı	;	ı	1	ı	ı	ı	ı	٠	ı	na	2.3E+03
Methylene Chloride <sup>c</sup>	0	:	1	Ba	5.9E+03	ı	ı	na	#VALUE!	1	1	;		ı	í	ï	ı	:	:	er	#VALUE!
Methoxychlor	0	i	3.0E-02	na	1	1	3.0E-02	Па	ı	i	;	1	1	1	ī	:	. 1	:	3.0E-02	na	:
Mirex	0	;	0.0E+00	BB	1	ŀ	0.0E+00	na	ı	1	ı	!	ı	ŀ	ı	;	ı	ı	0.0E+00	g	ţ
Nickel	0	5.6E+01	6.3E+00	ВП	4.6E+03	5.7E+01	6.4E+00	na	7.1E+03	1	1	1	1	ı	ı	ı	1	6.7E+01	6.4E+00	na	7.1E+03
Nitrate (as N)	0	1	1	na	1	1	ı	na	1	1	ı	:	1	1	ı	ŀ	1	ı	:	a	ı
Nitrobenzene	0	ī	ı	na	6.9E+02	1	;	na	1.1E+03	i	1	1	1	ı	1	1	1	ı	ı	na	1.1E+03
N-Nitrosodimethylamine <sup>c</sup>	0	ı	ı	na	3.0E+01	ı	ı	na	#VALUE!	ŀ	;	1	1	ı	ı	ı	1	ı	ı	ë	#VALUE!
N-Nitrosodiphenylamine <sup>c</sup>	0	ı	1	na	6.0E+01	i	1	na	#VALUE!	1	ı	1	:	ŧ	1	į	1	:	:	e i	#VALUE!
N-Nitrosodi-n-propylamine <sup>c</sup>	0	1	;	na	5.1E+00	ı	ì	na	#VALUE!	ı	ŀ		 !	ł	ı	ŀ	ı	ı	:	na	#VALUE!
Nonyiphenol	0	2.8E+01	6.6E+00	1	ı	2.8E+01	6.7E+00	a	1	1	:		ı	:	ı	;	ı	2.8E+01	6.7E+00	e E	ı
Parathion	0	6.5E-02	1,3E-02	na	ı	6.5E-02	1.3E-02	na	1	ı	ı	ı	1	ı	ı	1	i	6.5E-02	1.3E-02	ğ	ı
PCB Total <sup>c</sup>	0	1	1.4E-02	na	6.4E-04	t	1.4E-02	na F	#VALUE!	ı	t	ł	1	i	ı	1	1	1	1.4E-02	80	#VALUE!
Pentachlorophenol <sup>c</sup>	0	9.4E+00	6.9E+00	па	3.0E+01	9.4E+00	7.0E+00	na	#VALUE!	:	:	·	:	:	ı	ï	ı	9.4E+00	7.0E+00	E L	#VALUE!
Phenot	0	ı	1	ng C	8.6E+05	1	t	na	1.3E+06	1	ı	;	1	ı	i	:	;	:	1	e c	1,3E+06
Pyrene	0	1	ì	na	4.0E+03	ı	;	na	6.1E+03	ı	;	1	ı	;	ı	:	ŀ	ı	ı	e L	6.1E+03
Radionuclides Gross Alpha Activity	0	ı	ı	na	ı	ı	1	na		ı	•	1	· · · · ·	1	1	ı	ı	ı	ı	na	í
(pCi/L)	0	ı	i	a	ı	:	ı	na na	ı	ı	1	1	. 1	ı	ı	1	ı	ı	ı	E L	ı
Beta and Photon Activity (mrem/vr)	c	i	;	ă	•	1	1	đ		į	:	i		i	;	ı		1	1	ć	
Radium 226 + 228 (pCi/L)	. 0	ı		2 2	1	: 1	: 1	, e	1	ı .	· 1	: 1		1				: 1	i 1	<u> </u>	
Uranium (ug/l)	0	1	;	<u></u>	1	1	,		ı	ı	,	,	۱	١	ı	:		:			•
												***************************************	<b>—</b>	***************************************	-						

Parameter	Background		Water Qua	Water Quality Criteria			Wasteload Allocations	Allocations		A	Antidegradation Baseline	on Baseline		Anı	idegradatio	Antidegradation Allocations		_	<b>Wost Limitin</b>	Most Limiting Allocations	
(ug/l unless noted)	Conc.	Acute	Chronic	Chronic HH (PWS)	Ŧ	Acute	Chronic HH (PW	HH (PWS)	Ŧ	Acute	Chronic F	HH (PWS)	王	Acute	Chronic	HH (PWS)	Ŧ	Acute	Chronic	HH (PWS)	壬
Selenium, Total Recoverable	0	2.0E+01	5.0E+00	na	4.2E+03	2.0E+01	5.1E+00	na	6.4E+03	1	1	1	1	,	-		1	2.0E+01	5.1E+00	ē	6.4E+03
Silver	•	3.2E-01	:	па	ı	3.2E-01	ł	na	1	ļ	1	ı	1	ı	:	1	ı	3.2E-01	;	Ē	1
Sulfate	0	;	1	na	ı	ı	;	вп	1	1	1	,	1	;	1	1	ŀ	ı	1	ë	ı
1,1,2,2-Tetrachloroethane <sup>c</sup>	0	;	:	na	4.0E+01	1	ı	e L	#VALUE!	1	1	1	1	ì	1	I,	ı	ı	ī	ē	#VALUE!
Tetrachloroethylene <sup>c</sup>	0	1	1	na	3.3E+01	;	1	na	#VALUE!	ı	ı	:	1	1	ı	ı	ı	ı	ŀ	a	#VALUE!
Thallium	0	ı	ł	na	4.7E-01	ı	i	па	7.2E-01	i	ŧ	1	1	ı	ı	1	1	ı	;	E.	7.2E-01
Toluene	0	1	1	na	6.0E+03	1	1	пa	9.2E+03	t	1	:	1	;	;	ı	;	;	ı	n	9.2E+03
Total dissolved solids	0		ł	na	ı	ı	ı	na	1	ı	ı	1	I	ı	1	ì	1	1	:	Ē	:
Toxaphene <sup>c</sup>	0	7.3E-01	2.0E-04	na	2.8E-03	7.3E-01	2.0E-04	па	#VALUE!	ı	1	ı	····	ı	1	1	1	7.3E-01	2.0E-04	Ē	#VALUE!
Tributyltin	0	4.6E-01	7.2E-02	na	ı	4.6E-01	7.3E-02	пa	1	1	ı	1	1	1	1	ı	ł	4.6E-01	7.3E-02	п	ı
1,2,4-Trichlorobenzene	0	1	i	na	7.0E+01	ı	ı	na	1.1E+02	ŧ	1	1	1	ı	1	ı	:	1	ı	na	1.1E+02
1,1,2-Trichloroethane <sup>c</sup>	0	I	ı	na	1.6E+02	ì	ı	na	#VALUE!	;	ı	1	1	1	ı	1		:	ı	na n	#VALUE!
Trichloroethylene <sup>c</sup>	0	1	i	na	3.0E+02	:	:	en	#VALUE!	1	ı	1	:	1	1	ì	ı	ı	ı	g E	#VALUE!
2,4,6-Trichlorophenol	0	1	٠,	na	2.4E+01	,	;	na	#VALUE!	ı	ŀ	:	1	1	ł	ł	ı	:	;	Ē	#VALUE!
2-(2,4,5-Trichlorophenoxy) propionic acid (Silvex)	0	1	ı	na	ţ	i	1	na	í	ı	ı	1	;	1	ı	1	ı	ı	i	na	
Vinyl Chloride <sup>c</sup>	0	1	ï	na	2.4E+01	1	ì	na	#VALUE!	ı	1	1	ı	1	ı	1	;	ı	ı	па	#VALUE!
Zinc	0	3.6E+01	3.6E+01	Ba	2.6E+04	3.6E+01 3.7E+01	3.7E+01	2	4.0E+04	1	;	1	:	;	ı		1	3 65+04	3 75+01	e c	4 05+04

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1. All concentrations expressed as micrograms/liter (ug/l), unless noted otherwise

2. Discharge flow is highest monthly average or Form 2C maximum for Industries and design flow for Municipals

3. Metals measured as Dissolved, unless specified otherwise

4. "C" indicates a carcinogenic parameter

5. Regular WLAs are mass balances (minus background concentration) using the % of stream flow entered above under Mixing Information.

Antidegradation WLAs are based upon a complete mix.

6. Antideg. Baseline = (0.25(WQC - background conc.) + background conc.) for acute and chronic

= (0.1(WQC - background conc.) + background conc.) for human health

Harmonic Mean for Carcinogens. To apply mixing ratios from a model set the stream flow equal to (mixing ratio - 1), effluent flow equal to 1 and 100% mix. 7. WLAs established at the following stream flows: 1Q10 for Acute, 30Q10 for Chronic Ammonia, 7Q10 for Other Chronic, 30Q5 for Non-carcinogens and

Hardress 22 mg/L. Submitted with No New hardress olater submitted with convert appropriation. Offe 3/26/14

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#### Mixing Zone Predictions for Franklin WWTP

Effluent Flow = 2.0 MGD Stream 7Q10 = 0.028 MGD Stream 30Q10 = 1.07 MGD Stream 1Q10 = 0.0058 MGD

Stream slope = 1 ft/ft Stream width = 30 ft Bottom scale = 3Channel scale = 1

#### Mixing Zone Predictions @ 7Q10

Depth = .0541 ftLength = 9742.55 ft = 1.9335 ft/sec Velocity Residence Time = .0583 days

Recommendation:

A complete mix assumption is appropriate for this situation and the entire 7Q10 may be used.

Mixing Zone Predictions @ 30Q10

Depth = .0694 ftLength = 7909.87 ft Velocity = 2.2813 ft/sec Residence Time = .0401 days

Recommendation:

A complete mix assumption is appropriate for this situation and the entire 30Q10 may be used.

Mixing Zone Predictions @ 1Q10

Depth = .0538 ftLength = 9796.51 ft = 1.925 ft/sec Velocity Residence Time = 1.4136 hours

Recommendation:

A complete mix assumption is appropriate for this situation providing no more than 70.74% of the 1Q10 is used.

Permit No	Outfall No	meter Descri	CONCMIN	CONCMAX	Monitoring Start Date	Monitoring End Date
VA0023922		РН		7.59	01-May-2004	31 7-2004
VA0023922	001	РН	6.66	7.63	01-Jun-2004	30-Jun-2004
VA0023922		РН	6.54	7.53	01-Jul-2004	31-Jul-2004
VA0023922		РН	6.34	7.41	01-Aug-2004	31-Aug-2004
VA0023922		РН	6.41	7.2	01-Sep-2004	30-Sep-2004
VA0023922		PH	6.4	6.9	01-Oct-2004	31-Oct-2004
VA0023922		PH	6.3	7.6	01-Nov-2004	
VA0023922		PH	6.42	7.56	01-Nov-2004 01-Dec-2004	30-Nov-2004
VA0023922	~	PH	6.43	7.09	†	31-Dec-2004
VA0023922		PH	6.35	7.02	01-Jan-2005	31-Jan-2005
VA0023922		PH	6.43	7.25	01-Feb-2005	28-Feb-2005
VA0023922		PH	6.59	7.25 7.45	01-Mar-2005	31-Mar-2005
VA0023922		PH	6.95		01-Apr-2005	30-Apr-2005
VA0023922		PH		7.63	01-May-2005	31-May-2005
VA0023922 VA0023922		PH	6.79	7.55	01-Jun-2005	30-Jun-2005
VA0023922 VA0023922			7.4	7.8	01-Jul-2005	31-Jul-2005
VA0023922 VA0023922		PH	7.14	7.64	01-Aug-2005	31-Aug-2005
		PH	7.03	7.62	01-Sep-2005	30-Sep-2005
VA0023922		PH	6.93	7.81	01-Oct-2005	31-Oct-2005
VA0023922		PH	6.69	7.6	01-Nov-2005	30-Nov-2005
VA0023922		PH	6.4	7.4	01-Dec-2005	31-Dec-2005
VA0023922	···	PH	6.51	7.02	01-Jan-2006	31-Jan-2006
VA0023922		PH	6.45	6.88	01-Feb-2006	28-Feb-2006
VA0023922		PH	6.58	7.08	01-Mar-2006	31-Mar-2006
VA0023922		PH	6.64	7.02	01-Apr-2006	30-Apr-2006
VA0023922		PH	6.48	7.56	01-May-2006	31-May-2006
VA0023922		PH	6.51	7.08	01-Jun-2006	30-Jun-2006
VA0023922	***************************************	PH .	6.76	7.15	01-Jul-2006	31-Jul-2006
VA0023922	001	PH	6.87	7.27	01-Aug-2006	31-Aug-2006
VA0023922	001	PH	6.74	7.14	01-Sep-2006	30-Sep-2006
VA0023922	001	PH	6.78	7.37	01-Oct-2006	31-Oct-2006
VA0023922	001	PH	6.61	7.3	01-Nov-2006	30-Nov-2006
VA0023922	001	PH	6.01	7.23	01-Dec-2006	31-Dec-2006
VA0023922	001	PH	6.7	7.3	01-Jan-2007	31-Jan-2007
VA0023922	001	PH	6.87	7.6	01-Feb-2007	28-Feb-2007
VA0023922	001	PH	6.8	7.6	01-Mar-2007	31-Mar-2007
VA0023922	001	PH		7.6	01-Apr-2007	30-Apr-2007
VA0023922	001	PH	6.8	7.4	01-May-2007	31-May-2007
VA0023922	001	PH	7	7.6	01-Jun-2007	30-Jun-2007
VA0023922	001	PH	7.0	7.5	01-Jul-2007	31-Jul-2007
VA0023922	001	PH	6.8	7.5	01-Aug-2007	31-Aug-2007
VA0023922	001	PH		7.45	01-Sep-2007	30-Sep-2007
VA0023922	001	PH		7.5	01-Oct-2007	31-Oct-2007
VA0023922			6.8	7.3	01-Nov-2007	30-Nov-2007
VA0023922				7.4	01-Dec-2007	31-Dec-2007
VA0023922				7.3	01-Jan-2008	31-Jan-2008
VA0023922		PH		7.3	01-Feb-2008	29-Feb-2008
VA0023922			····	7.36	01-Mar-2008	31-Mar-2008
VA0023922		PH			01-Apr-2008	30-Apr-2008
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VA0023922						31-May-2008
VA0023922						30-Jun-2008
VA0023922						31-Jul-2008
VA0023922						31-Aug-2008
VA0023922			<del></del>			30-Sep-2008
VA0023922						31-Oct-2008
					01-Nov-2008	30-Nov-2008
	nni i	י נום				21 Das 2000
VA0023922						31-Dec-2008
	001			7.2	01-Jan-2009	31-Jan-2009 28-Feb-2009

pH facility data Used for WLA Analysis

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Sta Id	Collection Date Time	Field Ph	Do Probe	Salinity	Temp Celcius
5ABLW013.16	15/05/2008	6.00	5.40	.01	17.20
5ABLW013.16	24/05/2007	6.10	5.20	.00	20.00
5ABLW013.16	20/03/2008	6.10	7.10	.02	14.40
5ABLW013.16	24/01/2008	6.30	11.70	.06	3.90
5ABLW013.16	24/07/2008	6.40	2.00	.06	27.80
5ABLW013.16	21/09/2006	6.40	4.10	.02	20.60
5ABLW013.16	19/11/2008	6.40	5.30	.05	9.70
5ABLW013.16	07/11/2006	6.40	7.00	.01	9.70
5ABLW013.16	27/07/2006	6.50	2.00	.04	26.70
5ABLW013.16	26/01/2006	6.57	11.29	.03	6.67
5ABLW013.16	20/09/2007	6.60	3.20	.11	22.60
5ABLW013.16	29/11/2007	6.70	5.10	.10	11.70
5ABLW013.16	24/10/2006	6.70	5.50	.03	12.90
5ABLW013.16	18/10/2006	6.70	5.90	.03	15.30
5ABLW013.16	27/03/2007	6.70	7.60	.02	16.80
5ABLW013.16	25/05/2006	6.80	6.20	.02	18.50
5ABLW013.16	25/01/2007	6.80	12.20	.02	3.80
5ABLW013.16	18/09/2008	6.90	2.60	.09	24.60
5ABLW013.16	26/07/2007	6.90	3.10	.08	27.20
5ABLW013.16	30/03/2006	7.10	11.20	.04	11.70

Calculations 90th percentile performed with 10th percentile excel 3/13/09

6.9 6.1 11.331 0.091 26.75

### Conversion of cfs to MGD

convert to MGD + by 1,000,000 = 0.0058 MGD

Convert to mab + by 1,000,000 = 1.07 MGD

#### Smithson,Robert

From:

Martin, Charles

Sent:

Friday, March 12, 2004 10:02 AM

To:

Smithson, Robert; McConathy, James

Cc:

Powell, Gene; Schneider, Jutta

Subject:

RE: City of Franklin Flow Frequencies (1992)

Robert, I do not know of any reason to re-calculate the flow frequencies. The 1992 calculations were based on a rather good period of record and should not have a significant change with the addition of more data. Also, I think the Zuni gage has subsequently been taken out of service.

----Original Message----

From:

Smithson,Robert

Sent:

Friday, March 12, 2004 9:33 AM Martin, Charles; McConathy, James

To: Subject:

City of Franklin Flow Frequencies (1992)

#### Morning Charlie!

You provided TRO with flow data (via memo) back in April of '92. We have been using it since then to base limits, etc. Franklin WWTP is up again for reissuance. Can you think of any reason we should revisit these frequencies? Logic tells me that flow data shouldn't change unless there was an error or models have improved.

If you need me to fax your 1992 memo/data we have been using, respond accordingly. If you decide to revisit the data, we need the results by the end of next week, if possible.

As usual, thanks for your help.

Robert E. Smithson Environmental Engineer Senior DEQ, Tidewater Regional Office (757)-518-2106 resmithson@deq.state.va.us

This into was pulled from The last f.s. The data base maintained by DEQ Shows no change in stream flow data.

#### **MEMORANDUM**

#### DEPARTMENT OF ENVIRONMENTAL QUALITY Office of Water Quality Assessments

629 East Main Street P.O. Box 10009

Richmond, Virginia 23219

**SUBJECT:** Flow Frequency Determination

City of Franklin STP - #VA0023922

TO:

Bob Smithson, TRO

FROM:

Paul E. Herman, P.E., WQAP

DATE:

January 12, 1999

COPIES:

Ron Gregory, Charles Martin, File

During the development of the subject VPDES permit, please use the freshwater inflow-flow frequencies presented in Charles Martin's memo to you dated April 1, 1992. As indicated in that memo, the Blackwater River is tidal at the City of Franklin's STP outfall. According to the USGS, flows at the gage below 10.0 cfs are influenced by tides. Charles used the Blackwater River at Zuni, VA #02049500 to estimate the freshwater inflow to the Blackwater estuary. The Zuni gage was discontinued in 1988 so updated flow frequencies are not possible.

The data presented in Charles Martin's April 1, 1992 memo to you represent the most up-to-date freshwater inflow-flow data available for the tidal reach of the Blackwater River. If you have any questions concerning this analysis, please let me know.

#### MEMORANDUM

VIRGINIA WATER CONTROL BOARD
OFFICE OF WATER QUALITY ASSESSMENTS
4900 Cox Road Glen Allen, VA 23060

SUBJECT: Flow Frequencies for Blackwater River - City of Franklin

STP - VA0023922

TO: Bob Smithson, TRO

FROM: Charles Martin, WQA

**DATE:** April 1, 1992

COPIES: Dale Phillips, Paul Herman, Chuck Turner,

#### Inflow of Blackwater River at City of Franklin's STP

 $1010 = 0.009 \text{ cfs} \times .646 = .0058$   $7010 = 0.044 \text{ cfs} \times .646 = .0284$  $3005 = 1.658 \text{ cfs} \times .646 = 1.071$ 

The City of Franklin STP discharges into a section of the Blackwater River which is tidal at flows below 20 cfs. Since the River at the discharge is not free flowing at low flows, low flow frequencies are indeterminate at the discharge point. What has been calculated is the fresh water inflow to the discharge point from the 672 square miles of watershed upstream of the outfall.

The Blackwater gage at Franklin (#2949500) should not be used to determine low flow frequencies because of the tidal effects.

The Zuni gage (#2049500) with a drainage area of 456 square miles was used to estimate the inflow at the discharge. This flow recording station has daily flow values of zero. For water years 1944, 1954, and 1983 the 7 day averages were zero as shown on the 7-day attachment. The Gumbel graphical method (attached) was used to determine the flow values instead of the Log Pearson Type III method we normally use. The Gumbel method is used on flow stations having daily flow values of zero.

## ATTACHMENT 7 SPECIAL CONDITIONS RATIONALE

#### VPDES PERMIT PROGRAM LIST OF SPECIAL CONDITIONS RATIONALE

Name of Condition:

B. Additional Total Residual Chlorine (TRC) Limitations and Monitoring Requirements

Rationale: Required by Water Quality Standards, 9VAC 25-260-170, Fecal coliform bacteria; other waters. Also, 40 CFR 122.41(e) requires the permittee, at all times, to properly operate and maintain all facilities and systems of treatment in order to comply with the permit. This ensures proper operation of chlorination equipment to maintain adequate disinfection.

- C. OTHER REQUIREMENTS OR SPECIAL CONDITIONS
- 1.a.. Sludge Reopener

Rationale: Required by the VPDES Permit Regulation, 9 VAC 25-31-220 C., and 40 CFR 122.44 (c)(4), which note that all permits for domestic sewage treatment plants (including sludge-only facilities) include any applicable standard for sewage sludge use or disposal promulgated under Section 405(d) of the Clean Water Act.

1.b. Water Quality Standards Reopener

Rationale: The VPDES Permit Regulation, 9 VAC 25-31-220 D requires effluent limitations to be established which will contribute to the attainment or maintenance of water quality criteria.

1.c. Nutrient Enriched Waters Reopener

Rationale: The Policy for Nutrient Enriched Waters, 9 VAC 25-40 -10 allows reopening of permits for discharges into waters designated as nutrient enriched if total phosphorus and total nitrogen in a discharge potentially exceed specified concentrations. The policy also anticipates that future total phosphorus and total nitrogen limits may be needed.

1.d. Total Maximum Daily Load (TMDL) Reopener

Rationale: For specified waters, Section 303(d) of the Clean Water Act requires the development of total maximum daily loads necessary to achieve the applicable water quality standards. The TMDL must take into account seasonal variations and a margin of safety. In addition, Section 62.1-44.19:7 of the State Water Control Law requires the development and implementation of plans to address impaired waters, including TMDLs. This condition allows for the permit to be either modified or, alternatively, revoked and reissued to incorporate the requirements of a TMDL once it is developed. In addition, the reopener recognizes that, in according to Section 402(o)(1) of the Clean Water Act, limits and/or conditions may be either more or less stringent than those contained in this permit. Specifically, they can be relaxed if they are the result of a TMDL, basin plan or other wasteload allocation prepared under Section 303 of the Act.

2. Licensed Operator Requirement

Rationale: The Permit Regulation, 9 VAC 25-31-200 D and Code of Virginia 54.1-2300 et. seq., Rules and Regulations for Waterworks and Wastewater Works Operators (18 VAC 160-20-10 et seq.) requires licensure of operators.

3. Reliability Class

Rationale: Required by Sewage Collection and Treatment Regulations, 12 VAC 5-581-20 and 120 for all municipal facilities. The reliability class has been

#### VPDES PERMIT PROGRAM LIST OF SPECIAL CONDITIONS RATIONALE

continued

changed from Class II to Class L based upon comments received from VDH in 2008, 2009 and again in 2014. VDH comments are included with the fact sheet (attachment 13-other documents)

4. CTC, CTO and O & M Manual Requirements

Rationale: Required by the State Water Control Law, Section 62.1-44.19; the Sewage Collection and Treatment Regulations (12 VAC 5-581 et seq); Section 401 of the Clean Water Act; 40 CFR 122.41(e); and the VPDES Permit Regulation (9 VAC-25-31-190E).

5. 95% Design Capacity

Rationale: Required by the VPDES Permit Regulation, 9 VAC 25-31-200 B.2. for all POTW and PVOTW permits. Best professional judgement is used to apply this condition to other (private) municipal treatment facilities.

6. Quantification Levels Under Part I.A.

<u>Rationale</u>: States are authorized to establish monitoring methods and procedures to compile and analyze data on water quality, as per 40 CFR part 130, Water Quality Planning and Management, subpart 130.4. Section b. of the special condition defines QL and is included per BPJ to clarify the difference between QL and MDL.

7. Compliance Reporting Under Part I.A

<u>Rationale</u>: Defines reporting requirements for toxic parameters and some conventional parameters with quantification levels to ensure consistent, accurate reporting on submitted reports.

8. Materials Handling and Storage

Rationale: The VPDES Permit Regulation, 9 VAC 25-31-50 A., prohibits the discharge of any wastes into State waters unless authorized by permit. The State Water Control Law, Sec. 62.1-44.18:2, authorizes the Board to prohibit any waste discharge which would threaten public health or safety, interfere with or be incompatible with treatment works or water use. Section 301 of the Clean Water Act prohibits the discharge of any pollutant unless it complies with specific sections of the Act.

9. Indirect Dischargers

 $\overline{\text{Rationale}}$ : Required by VPDES Permit Regulation, 9 VAC 25-31-200 B.1. for POTWs and PVOTWs that receive waste from someone other than the owner of the treatment works.

10. Sludge Management Plan

Rationale: The VPDES Permit Regulation, 9 VAC 25-31-420, and 40 CFR 503.1 specify the purpose and applicability for sludge management plans. The VPDES Permit Regulation, 9 VAC 25-31-100 J.4., also sets forth certain detailed information which must be included in a sludge management plan. The VPDES sewage sludge permit application form and its attachments constitute the sludge management plan and will be considered for approval with the VPDES permit. In addition, the Biosolids Use Regulation, 12 VAC 5-585-330 and 340, specifies the general purpose and control requirements for an O&M manual in

#### VPDES PERMIT PROGRAM LIST OF SPECIAL CONDITIONS RATIONALE

continued

order to facilitate proper O&M of the facilities to meet the requirements of the regulation.

#### D. PRETREATMENT

Rationale: The permit regulation, 9 VAC 25-31-10 et seq., Part VII, establishes the legal requirements for State, local government and industry to implement National Pretreatment Standards. The Pretreatment Standards are implemented to prevent POTW plant pass through, interference, violation of water quality standards or contamination of sewage sludge. The regulation requires POTWs with a total design flow greater than 5 MGD with significant or categorical industrial input to establish a Pretreatment Program. The regulation also may apply to POTWs with design flows less than 5 MGD if circumstances warrant control of industrial discharges.

#### E. TOXICS MANAGENENT PROGRAM (TMP)

Rationale: To determine the need for pollutant specific and/or whole effluent toxicity limits as may be required by the VPDES Permit Regulation, 9 VAC 25-31-220 D. and 40 CFR 122.44 (d). See Attachment 9 of this fact sheet for additional justification.

Stormwater is not addressed in the permit due to no exposure (copy of certification received from the facility on 03/14/14)

#### ATTACHMENT 8

TOXICS MONITORING/TOXICS REDUCTION/
WET LIMIT RATIONALE

#### MEMORANDUM

#### VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY TIDEWATER REGIONAL OFFICE

#### 5636 Southern Boulevard

Virginia Beach, VA 23462

SUBJECT: TMP language for City of Franklin WWTP (VA0023922)

TO:

Robert Smithson

FROM:

Deanna Austin OBA

DATE:

3/26/14

The City of Franklin WWTP is designed at 2.0 MGD and discharges to the Blackwater River. The plant uses UV for disinfection. The table below shows the data gathered during the current permit term (2009-2014).

DESCRIPT	SPECIES	SAMPLEDT	LC50	SURVIVAL	NOEC	TU	LAB
1st Annual Acute	C.d.	05-Dec-10	100	100		1	JR Reed
1st Annual Chronic	P.p.	05-Dec-10		99	99	1.01	JR Reed
			400			1.01	
2nd Annual Acute	C.d.	04-Dec-11	100	100		7	JR Reed
2nd Annual Chronic	P.p.	04-Dec-11		99	99	1.01	JR Reed
3rd Annual Acute	C.d.	14-Oct-12	100	100		1	JR Reed
3rd Annual Chronic	P.p.	14-Oct-12		99	99	1.01	JR Reed
4th Annual Acute	C.d.	06-Oct-13	100	100		1	JR Reed
4th Annual Chronic	P.p.	06-Oct-13		99	99	1.01	JR Reed

The facility has had continued compliance with their acute and chronic endpoints, therefore no changes are recommended for reissuance. Because the facility is a municipal major facility, toxicity testing must continue on an annual basis using 2 species.

The following TMP language is recommended for the reissuance of the City of Franklin WWTP permit (VA0023922).

#### E. TOXICS MANAGEMENT PROGRAM (TMP)

#### 1. Biological Monitoring

a. In accordance with the schedule in E.2.below, the permittee shall conduct annual toxicity tests for the duration of the permit.

The permittee shall collect a 24-hour flow-proportioned composite sample of final effluent from outfalls 001 in accordance with the sampling methodology in Part I.A. of this permit. The composite sample for toxicity testing shall be taken at the same time as the monitoring for the outfall in Part 1.A. of this permit. Annual acute and chronic tests shall be conducted for outfall 001 using:

48 Hour Static Acute test using Ceriodaphnia dubia

Chronic 7-day Static Renewal Survival and Growth Test with Pimephales promelas

b. The acute tests shall be performed with a minimum of 5 dilutions, derived geometrically, for the calculation of a valid  $LC_{50}$ . Express the results as  $TU_a$  (Acute Toxic Units) by dividing  $100/\ LC_{50}$  for reporting.

The chronic tests shall be conducted in such a manner and at sufficient dilutions (minimum of five dilutions, derived geometrically) to determine the "No Observed Effect Concentration" (NOEC) for survival and growth. Results which cannot be quantified (i.e., a "less than" NOEC value) are not acceptable, and a retest will have to be performed. Express the test NOEC as  $TU_c$  (Chronic Toxic Units), by dividing 100/NOEC for reporting. Report the LC50 at 48 hours and the IC25 with the NOEC's in the test report.

Test procedures and reporting shall be in accordance with the WET testing methods cited in 40 CFR 136.3.

- c. The permittee may provide additional samples to address data variability during the period of initial data generation. These data shall be reported and may be included in the evaluation of the effluent toxicity. Test procedures and reporting shall be in accordance with the WET testing methods cited in 40 CFR 136.3.
- d. If, in the testing according to E.1., any toxicity tests that are invalidated, the tests shall be repeated within the testing period that the original test was taken, or if already past that period, within thirty (30) days of notification.

- e. The test dilutions shall be able to determine compliance with the following endpoints:
  - (1) Acute  $LC_{50}$  of 100% equivalent to a  $TU_a$  of 1.0
  - (2) Chronic NOEC of 99% equivalent to a TU<sub>c</sub> of 1.01

#### 2. Reporting Schedule

The permittee shall report the results and supply **one** complete copy of the toxicity test reports to the Tidewater Regional Office in accordance with the schedule below. A complete report must contain a copy of all laboratory benchsheets, certificates of analysis, and all chains of custody. All data shall be submitted by the 10<sup>th</sup> of the month following sampling.

(a)	Conduct first annual acute TMP test using Ceriodaphnia dubia and conduct first annual chronic TMP test using Pimephales promelas for outfall 001	By December 31, 2015
(b)	Submit results of all biological tests	By the 10 <sup>th</sup> of the month following sampling but no later than January 10, 2016
(c)	Conduct subsequent annual acute TMP tests using Ceriodaphnia dubia and subsequent annual chronic TMP tests using Pimephales promelas for outfall 001	By December 31, 2016, 2017, and 2018
(d)	Submit subsequent annual biological tests	By the 10 <sup>th</sup> of the month following sampling but no later than January 10, 2017, 2018 and 2019

#### ATTACHMENT 9

RECEIVING WATERS INFO./
TIER DETERMINATION/STORET DATA/
STREAM MODELING

303(d) LISTED SEGMENTS



\* Discharge location
@ 3604012611,760551411

Date: 2/25/2014

To: Kristie Britt, TRO

Permit Writer: RE Smithson
Facility: City of Franklin WWTP

Permit Number: VA0023922

Issuance, Reissuance or Modification (if Modification describe): reissuance

Permit Expiration Date: 6/22/2014

Waterbody ID (ex: VAT-G15E): VAT-K36R

Topo Name: Franklin 05B

Facility Address:

501 S. Main St., Franklin, VA 23851

Receiving Stream: Attached are topographic maps showing facility property boundaries and outfall(s) locations for those included in this request.

menucu iii iiiis request.	
Stream Name: Blackwater River	
C4 D. 4 . D 4 . 10	
Stream Data Requested?	
Outfall #: 001	Lat Lon: 36 40'26"; 76 55'4"
Outfall #:	Lat Lon:
Outfall #:	Lat Lon:
Stream Name (2):	
Stream Data Reguested?	
Outfall #:	Lat Lon:
Outfall #:	Lat Lon:
Outfall #:	Lat Lon:

If greater than 2 receiving streams or 3 outfalls per stream please provide a separate table with outfall listings and Latitude Longitude description.

#### Planning Review:

303 (d): Indicate Outfalls which discharge direct	ly to an impaired
(Category 5) stream segment and parameters im	paired
The facility discharges to impaired segment VAT-K36R	BLW04A08. Impairments include DO, E coli and Mercury.
See Attachment 1.	
Tier Determination	
Tier The facility discharges to a Tier	1 water. See Attachment 1.
Tier	
Management Plan	
Is the facility Referenced in a Management Plan?	No
Are limits contained in a Management Plan?	No

Review will be completed in 30 days of receipt of request.

#### **Additional Comments:**

Maps are in a separate pdf document
KNB 2/27/14



#### 2012 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

Chowan River ar Cause Group Code Impaired Use	nd Dismal Swamp Basins Water Name Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDI Dev. Date
K30R-01-DO	Darden Mill Run						
Aquatic Life	Oxygen, Dissolved	5C			10.37	2002	2014
K30R-01-PH	Darden Mill Run						
Aquatic Life	рН	5C			10.37	2004	2016
K30R-02-BAC	Nottoway River - Upper						
Recreation	Escherichia coli	5A			0.47	2008	2020
K30R-03-BEN	Nottoway River - Lower						
Aquatic Life	Benthic-Macroinvertebrate Bioassessment	s 5A			15.36	2012	2022
K31R-04-BEN	Warwick Swamp					· · · · · · · · · · · · · · · · · · ·	
Aquatic Life	Benthic-Macroinvertebrate Bioassessment	s 5A			2.93	2010	2022
K32R-01-BEN	Blackwater River - Lower		·····				
Aquatic Life	Benthic-Macroinvertebrate Bioassessment	s 5A			1.03	2008	2020
K32R-13-HG	Blackwater River Basin						
Fish Consumption	Mercury in Fish Tissue	5A			33.64	2004	2016
	Mercury in Fish Tissue	5A			25.38	2006	2018
	Mercury in Fish Tissue	5A			528.51	2008	2018
	Mercury in Fish Tissue	5A			282.27	2008	2020
	Mercury in Fish Tissue	5A			214.74	2010	2022
	Mercury in Fish Tissue	5A			1.58	2010	2020
	Mercury in Fish Tissue	5A			3.89	2012	2016
K32R-18-BEN	Blackwater River, UT						
Aquatic Life	Benthic-Macroinvertebrate Bioassessment	s 5A			3.13	2008	2020
K33R-02-BAC	Blackwater River - Upper						
Recreation	Escherichia coli	5A			18.94	2008	2020
	Escherichia coli	5A			0.91	2012	2022
K33R-02-BEN	Blackwater River - Upper						
Aquatic Life	Benthic-Macroinvertebrate Bioassessment	s 5A			18.94	2008	2020
K33R-03-BEN	Blackwater River - Lower						
Aquatic Life	Benthic-Macroinvertebrate Bioassessment	s 5A			4.14	2008	2020
	Benthic-Macroinvertebrate Bioassessment	s 5A			5.03	2012	2020
K34R-01-PH	Mill Swamp						
Aquatic Life	pH	5C			8.36	2010	2022
K35L-01-DO	Airfield Pond						
Aquatic Life	Oxygen, Dissolved	5C		120.07		2008	2020
K35L-01-HG	Airfield Pond						
Fish Consumption	Mercury in Fish Tissue	5A		120.07		2010	2022
K35R-02-BAC	Seacock Swamp - Lower						
Recreation	Fecal Coliform	5A			2.63	2004	2016





#### 2012 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

Cause Group Code Impaired Use	nd Dismal Swamp Basins Water Name Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
K35R-02-BEN Aquatic Life	Seacock Swamp - Lower  Benthic-Macroinvertebrate Bioassessment	s 5A			2.63	2008	2020
K35R-03-BAC Recreation	UT Seacock Swamp Fecal Coliform	5A			1.03	2004	2016
K35R-03-DO Aquatic Life	UT Seacock Swamp Oxygen, Dissolved	5C			1.03	2004	2016
K35R-04-BAC Recreation	UT Airfield Pond - Lower Escherichia coli	5A			0.71	2004	2016
K35R-04-DO Aquatic Life	UT Airfield Pond - Lower Oxygen, Dissolved	5C			0.71	2004	2016
K35R-05-BAC Recreation	UT Airfield Pond - Upper Escherichia coli	5A			0.68	2004	2016
<b>K35R-05-DO</b> Aquatic Life	UT Airfield Pond - Upper Oxygen, Dissolved	5C			0.68	2004	2016
K35R-06-BAC Recreation	Seacock Swamp - Upper Fecal Coliform Escherichia coli	5A 5A			0.80 2.45	2006 2012	2018 2022
K35R-07-DO Aquatic Life	Brantley Swamp - Lower Oxygen, Dissolved	5C			3.52	2004	2016
K35R-08-BEN Aquatic Life	Round Hill Swamp  Benthic-Macroinvertebrate Bioassessment	s 5A			0.62	2008	2020
K36R-02-BAC Recreation	Blackwater River - Lower Middle Escherichia coli	5A			6.77	2006	2018
K36R-02-BEN Aquatic Life	Black Creek Benthic-Macroinvertebrate Bioassessment	s 5A			4.16	2008	2020
K36R-03-BAC Recreation	Black Creek - Upper Escherichia coli	5A			1.23	2010	2022
K36R-04-BAC Recreation	Cypress Swamp Escherichia coli	5A			4.90	2012	2024
K36R-04-BEN Aquatic Life	Unsegmented Tributary to Blackwater  Benthic-Macroinvertebrate Bioassessment	s 5A			2.69	2008	2020
K36R-05-BEN Aquatic Life	Blackwater River - Upper Benthic-Macroinvertebrate Bioassessment	s 5A			2.41	2012	2024
K36R-06-BEN Aquatic Life	Blackwater River - Lower Benthic-Macroinvertebrate Bioassessment	s 5A			4.36	2012	2024
K38R-01-BEN Aquatic Life	Somerton Creek  Benthic-Macroinvertebrate Bioassessment	s 5A			9.09	2006	2018

#### Appendix 5 - List of Impaired (Category 5) Waters in 2012

#### Chowan River and Dismal Swamp Basins

Cause Group Code: K32R-13-HG

Blackwater River Basin

Location: Blackwater River and tributaries from its headwaters to the VA-State Line

City / County: Dinwiddie Co

Isle Of Wight Co

Petersburg City

Prince George Co

South Boston City

Southampton Co Suffolk City Surry Co Sussex Co

Use(s): Fish Consumption

Cause(s) /

VA Category: Mercury in Fish Tissue / 5A

During the 2006 cycle, the Blackwater River from Route 31 near Dendron downstream to the Virginia-North Carolina state line was assessed as impaired of the Fish Consumption Use due to a VDH fish consumption advisory for mercury.

During the 2008 cycle, the advisory was expanded on 8/31/2007 to include the Blackwater River to its headwaters, including all of its tributaries. The advisory currently recommends consuming no more than two meals/month of largemouth bass, sunfish species, bowfin, chain pickerel, white catfish, redhorse sucker and longnose gar.

The advisory is based on the results of DEQ's fish tissue monitoring program, which show mercury exceedances at multiple stations throughout the watershed, including 5ABKR003.68, 5ABKR002.33, 5AWKS013.53, 5ASEC005.39, 5ABLW074.66, 5ACPP004.04, 5ACPP007.86, 5AJCH000.73.

Blackwater River Basin

Fish Consumption

Estuary (Sq. Miles) Reservoir (Acres)

River (Miles)

Mercury in Fish Tissue - Total Impaired Size by Water Type:

######

Sources:

Atmospheric Deposition -

Source Unknown

Toxics

#### Appendix 5 - List of Impaired (Category 5) Waters in 2012

#### Chowan River and Dismal Swamp Basins

Cause Group Code: K36R-02-BAC

**Blackwater River - Lower Middle** 

Location: This cause encompasses the lower Blackwater River from RM 13.76 (downstream of Franklin, confluence of UT, parallel to

Hayden High School) downstream west of Union Camp Holding Pond.

City / County: Isle Of Wight Co

Southampton Co

Use(s): Recreation

Cause(s) /

Recreation

VA Category: Escherichia coli / 5A

The Recreation Use is impaired based on E.coli data (5/38, 4/30, 6/36, 5/31, 9/37) at DEQ (AQM) stations @ 5ABLW009.14,

5ABLW011.48, 5ABLW012.28, 5ABLW012.96, 5ABLW013.16.

Blackwater River - Lower Middle

Estuary (Sq. Miles) Reservoir (Acres)

River (Miles)

Escherichia coli - Total Impaired Size by Water Type:

6.77

Sources:

Source Unknown



#### 2012 List of Naturally Impaired Waters (Category 4C)\* No TMDL Needed

Chowan River a	nd Dismal Swamp Basins				
Cause Group Code Impaired Use	Water Name Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
K32R-11-DO	XDR - UT to Otterdam Swamp			340000000000000000000000000000000000000	
Aquatic Life	Oxygen, Dissolved	4C			2.61
K32R-15-DO	Spring Branch, UT (XAW)				
Aquatic Life	Oxygen, Dissolved	4C			1.07
K32R-16-DO	Spring Branch, UT (XAL)				
Aquatic Life	Oxygen, Dissolved	4C			0.72
K33R-02-DO	Blackwater River - Upper, Middle, Lower				
Aquatic Life	Oxygen, Dissolved	4C			23.99
K34R-01-DO	Mill Swamp				
Aquatic Life	Oxygen, Dissolved	4C			8.36
K34R-02-DO	Rattlesnake Swamp				
Aquatic Life	Oxygen, Dissolved	4C			6.09
K35R-01-DO	Seacock Swamp - Upper				
Aquatic Life	Oxygen, Dissolved	4C			0.80
K36R-01-DO	Blackwater - Lower Middle				
Aquatic Life	Oxygen, Dissolved	4C			10.21
K36R-02-DO	Blackwater River - Lower Middle				·····
Aquatic Life	Oxygen, Dissolved	4C			8.19
K36R-03-DO	Washole Creek		-		
Aquatic Life	Oxygen, Dissolved	4C			0.64
K37R-01-DO	Buckhorn Creek			***************************************	
Aquatic Life	Oxygen, Dissolved	4C			1.55
K37R-01-PH	Buckhorn Creek				
Aquatic Life	Н	4C			1.55
K38R-01-DO	Somerton Creek				
Aquatic Life	Oxygen, Dissolved	4C			9.09
K39R-01-DO	Dismal Swamp Canal & Feeder Ditch to Lake Drummon	d			
Aquatic Life	Oxygen, Dissolved	4C			17.58
K41R-02-DO	Milldam Creek - Lower				
Aquatic Life	Oxygen, Dissolved	4C			2.50
K41R-05-DO	West Neck Creek - Middle		······································		
Aquatic Life	Oxygen, Dissolved	4C			3.59
K42E-01-DO	Nawney Creek - Upper				***************************************
Aquatic Life	Oxygen, Dissolved	4C	0.022		

#### **VIRGINIA**

Draft 305(b)/303(d)

WATER QUALITY INTEGRATED REPORT

to

CONGRESS and the EPA ADMINISTRATOR

for the

**PERIOD** 

January 1, 2005 to December 31, 2010





Richmond, Virginia
March 2012



#### COMMONWEALTH OF VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

Division of Water Permit Coordination 629 E. Main Street Richmond, VA 23240

#### MEMORANDUM

SUBJECT: Guidance Memo No. 00-2011; Guidance on Preparing VPDES Permit Limits

TO: **Regional Directors** 

August 24, 2000

DATE:

**COPIES:** 

Larry G. Lawson Tany Dewso FROM:

David Paylor, Martin Ferguson, Alan Pollock Jean Gregory, Regional Office Permit Managers, Regional Office Water Permit Managers, Regional Office Compliance and

Enforcement Managers, OWPP staff

The purpose of this guidance is to replace/update Guidance Memo No. 93 - 015 "Guidance on Preparing VPDES Permits Based on the Water Quality Standards for Toxics"

This guidance was last updated in 1993. Modifications to the water quality standards (WQS) make it necessary to update the guidance. This guidance replaces all previous guidance on the subjects covered herein. Specifically it updates or replaces the following guidance:

91-002	Use of WQS in the VPDES Permit Program
	Selection of Sample Types for VPDES Monito

- Selection of Sample Types for VPDES Monitoring
- Use of Existing WQSA Criteria for Silver and Phenol 91-016
- Guidance on Use of WQS for Toxics in VPDES Permits 92-012
- 92-012a Modification of 92-012
- 930-15 Guidance on Preparing VPDES Permits Based on the Water Quality Standards for
- 93-021 Antidegradation Implementation Guidance
- 94-008 Metals Monitoring, Monitoring Special Condition TOMP Revisions, & Di-2-Ethylhexyl Phthalate
- 95-012 pH Limits in the VPDES Permits for Cooling Water Outfalls

Note to Users: This document is provided as guidance and, as such, sets forth standard operating procedures for the agency. However, It does not mandate any particular method nor does it prohibit any particular method for the analysis of data, establishment of a wasteload allocation, or establishment of a permit limit. If alternative proposals are made, such proposals should be reviewed and accepted or denied based on their technical adequacy and compliance with appropriate laws and regulations.

Dale Phillips is the contact person if you or your permit managers have any questions.

Voice: 804-698-4077 Fax: 804-698-4032

E-mail: mdphillips@deq.state.va.us

Date: 2/25/2014

To: Jennifer Howell, TRO

√ JSH 3/3/2014

Permit Writer: RE Smithson Facility: City of Franklin WWTP.

Permit Number: VA0023922

Issuance, Reissuance or Modification (if Modification describe): reissuance

Permit Expiration Date: 6/22/2014

Waterbody ID (ex: VAT-G15E): VAT-K36R BLW04A08

Topo Name: Franklin 05B

Facility Address:

501 S. Main St., Franklin, VA 23851

**Receiving Stream:** Attached are topographic maps showing facility property boundaries and outfall(s) locations for those included in this request.

Stream Name: Blackwater River	
Click here to enter text.	
Outfall #: 001	Lat Lon: 36 40'26"; 76 55'4"
Outfall #: Click here to enter text.	Lat Lon: Click here to enter text.
Outfall #: Click here to enter text.	Lat Lon: Click here to enter text.
Stream Name (2): Click here to enter text.	
Click here to enter text.	
Outfall #: Click here to enter text.	Lat Lon: Click here to enter text.
Outfall #: Click here to enter text.	Lat Lon: Click here to enter text.
Outfall #: Click here to enter text.	Lat Lon: Click here to enter text.

If greater than 2 receiving streams or 3 outfalls per stream please provide a separate table with outfall listings and Latitude Longitude description.

Is there a design flow change? If yes give the change. Click here to enter text.

#### TMDL Review:

# Is a TMDL IN PROGRESS for the receiving stream? No Has a TMDL been APPROVED that includes the receiving stream? No. However, a Natural Conditions Report was produced because the waters were suspected of having low DO concentrations due to naturally occurring input, not anthropogenic sources. See Comments below. If yes, Include TMDL Name, Pollutant(s) and date of approval: Dissolved Oxygen (DO) Assessment for Blackwater Swamp Waters: EPA Approved 4/28/2010 Is the facility assigned a WLA from the TMDL? NA If Yes, what is the WLA?

Review will be completed in 30 days of receipt of request.

#### **Additional Comments:**

Dissolved oxygen concentrations remain relatively unchanged at and downstream from the City of Franklin WWTP, and statistical analysis (Mann-Whitney U Test) of dissolved oxygen concentrations confirms that there is no statistically significant difference between the data set

at the upstream station (5ABLW016.27) and the downstream VADEQ monitoring stations. Therefore, it follows that anthropogenic sources are not having any impact on the low dissolved oxygen concentrations observed in the river. Upon review of DEQ's Dissolved Oxygen (DO) Assessment for Blackwater Swamp Waters, EPA approves the request to place the DO impairments as a Category 4C in the Integrated Report. DEQ has demonstrated that the DO impairments are occurring naturally, and do not warrant the development of a TMDL. DEQ will request that the impaired segments be formally reclassified as a Class VII Swamp Water in the next triennial review. There are no numeric DO criteria for Class VII waters because DO exceedances are a result of natural conditions and are not due to anthropogenic activities. DO TMDLs are, therefore, not required for Class VII waters.

#### ATTACHMENT 10

TABLE III(a) AND TABLE III(b) - CHANGE SHEETS

## TABLE III(a)

# VPDES PERMIT PROGRAM Permit Processing Change Sheet

Effluent Limits and Monitoring Schedule: (List any changes FROM PREVIOUS PERMIT and give a brief rationale for the changes). H.

DATE & INITIAL				
RATIONALE				
EFFLUENT LIMITS CHANGED FROM / TO				
MONITORING LIMITS CHANGED FROM / TO				
PARAMETER CHANGED				
OUTFALL				

OTHER CHANGES FROM:	CHANGED TO:	DATE &
		INITIAL
		03/14/14
Special condition 4: CTC, CTO and O&M Manual	In accordance with current standard wording for	100
Requirements language was updated	municipal facilities	Sign
Special condition 6:QL for BOD5 from 5 mg/l	BOD5 QL to 2 mg/l per updates to the 2014 VPDES	03/26/14
	Permit Manual; DMR's also reflect same change	000
		となり

## TABLE III(b)

# VPDES PERMIT PROGRAM Permit Processing Change Sheet

Effluent Limits and Monitoring Schedule: (List any changes MADE DURING PERMIT PROCESS and give a brief rationale for the changes).

#### N/A

DATE & INITIAL						DATE & INITIAL
RATIONALE					,	
EFFLUENT LIMITS CHANGED FROM / TO						CHANGED TO:
MONITORING LIMITS CHANGED FROM / TO						
PARAMETER CHANGED						GES FROM:
OUTFALL NUMBER	001					OTHER CHANGES FROM:

66

ATTACHMENT 12

CHRONOLOGY SHEET

### VPDES PERMIT PROGRAM CHRONOLOGY OF EVENTS

APPLICATION RECEIVED	APPLICATION RETURNED	ADDITIONAL INFO REQUESTED	APPLICATION/ADD INFO DUE BACK IN RO	APPLICATION/ADD. INFO RECEIVED					
12/20/13	01/09/14	01/09/14	01/28/14	02/14/14					
01/28/14	02/03/14	02/03/14 & 03/10/14		02/14/14 (sludge form) & 03/14/14 (no exposure)					
APPLICATION TO V	/DH: 01/31/14	VDH COMMENTS RECEIV	/ED: 02/07/14						
APPLICATION TO C	WPS:	OWPS COMMENTS RECEIV	ÆD:						
APPLICATION ADM	IN. COMPLETE: 02/14/14	4 APPLICATION TEC	H. COMPLETE: 03/14/14						
APPLICATION FEE	DEPOSITED:	·							

APPLICATIO	N ADMIN. COMPLETE: 02/14/14 APPLICATION TECH. COMPLETE: 03/14/14
APPLICATIO	N FEE DEPOSITED:
Date	DESCRIPTIVE STATEMENT [CHRONOLOGY OF EVENTS] (Meetings, telephone calls, letters, memos, hearings, etc. affecting permit from application to issuance)
12/20/13	Initial application received
01/09/14	Additional information and better map requested
01/31/14	Revised application sent to VDH/DSS/VMRC for comments
02/07/14	VDH comments received
02/14/14	Revised/corrected sludge form received
02/18/14	Endangered species comments solicited from DCR
02/20/14	Application administratively complete letter went to permittee
02/25/14	Planning & TMDL comments solicited
02/27/14	Planning comments received
03/03/14	VDH comments received
03/10/14	Reminder e-mail sent to DSS again asking for their comments
03/10/14	E-mail sent to permittee about missing "stormwater no exposure" certification form
03/12/14	DCR endangered species comments received
03/14/14	No exposure cerification received-application technically complete
03/17/14	Fact sheet revised
03/2 <b>4</b> /14	DSS COMMENTS RECEIVED FS finalized, draft package assembled for review
3/24/14	ROUTED FOR REVIEW
3/31/14	ROUTED FOR REVIEW  FS/ Pernit corrections Executed to Command planning  RECEIVED Conformance document from planning  DRAFT PACKAGE TO OWNER  TO STANDARD TO SUNDER
4/9/14	RECEIVED Conformance document from planning
4/8/4	DRAFT PACKAGE TO OCCURER
4/20/14	FIRST PN run (went topped 7/1/1)
5/2/14	FIRST PN run (went toppper 4/17/14)  Owner concurrence  EPA concurrence

ATTACHMENT 13

OTHER DOCUMENTS

From: Smith, Mark [Smith.Mark@epa.gov]
Sent: Wednesday, May 07, 2014 1:51 PM

To: Daub, Elleanore (DEQ); Smithson Jr., Robert (DEQ)

Cc: Trulear, Brian

Subject: FW: VA0023922 City of Franklin WWTP Draft Permit, Fact sheet, application For Review &

Comment (5/7/14)

Hello Elleanore and Robert. We received the draft permit for the City of Franklin (VA0023922) on 4/18/14. EPA exercised its discretion in the review of this State-submitted draft permit and has chosen to perform a limited review on the impaired waters requirements. As a result of this limited review of the draft permit, we have no comments related to the impaired waters. Thanks

From: Smithson Jr., Robert (DEQ) [mailto:Robert.SmithsonJr@deq.virginia.gov]

Sent: Friday, April 18, 2014 9:50 AM

**To:** Smith, Mark; Ford, Nancy **Cc:** Daub, Elleanore (DEQ)

Subject: VA0023922 City of Franklin WWTP Draft Permit, Fact sheet, application For Review & Comment

Attached is the FTP site for the referenced draft permit package for your review and comment; it will remain on the site for 30 days. Thanks

http://www.deq.virginia.gov/fileshare/wps/EPA/TRO/VA0023922/

Robert Smithson
DEQ-TRO Water Permits Section
757-518-2106
robert.smithsonjr@deq.virginia.gov

From:

Smithson Jr., Robert (DEQ)

Sent:

Friday, April 18, 2014 9:50 AM

To:

'Smith.Mark@epamail.epa.gov'; 'ford.nancy@epamail.epa.gov'

Cc:

Daub, Elleanore (DEQ)

Subject:

VA0023922 City of Franklin WWTP Draft Permit, Fact sheet, application For Review &

Comment

Attached is the FTP site for the referenced draft permit package for your review and comment; it will remain on the site for 30 days. Thanks

http://www.deq.virginia.gov/fileshare/wps/EPA/TRO/VA0023922/

Robert Smithson
DEQ-TRO Water Permits Section
757-518-2106
robert.smithsonjr@deq.virginia.gov

From:

Russ Pace [rpace@franklinva.com]

Sent:

Friday, May 02, 2014 8:07 AM

To:

Smithson Jr., Robert (DEQ) Donnie Cagle; Sauer, Mark (DEQ)

Cc: Subject:

RE: Reissuance of Franklin WWTP Permit-Missing Your Concurrence on Draft Permit

Bob, Staff has reviewed the draft permit package and offers no comments. We offer our concurrence with the proposed permit. Thank you.

From: Smithson Jr., Robert (DEQ) [mailto:Robert.SmithsonJr@deq.virginia.gov]

Sent: Thursday, May 01, 2014 5:07 PM

To: Russ Pace

Cc: Donnie Cagle; Sauer, Mark (DEQ)

Subject: Reissuance of Franklin WWTP Permit-Missing Your Concurrence on Draft Permit

Hi Russ,

We sent this package out to you mid April but have not gotten your concurrence and/or comments. DEQ needs to document your input before moving forward in this process. You can respond by e-mail if you wish. Thanks.

April 21, 2014 DEQ/Public Notice

PUBLIC NOTICE: ISSUE DATE: APRIL 21, 2014

DEPARTMENT OF ENVIRONMENTAL QUALITY-WATER DIVISION, P. O. Box 1105, Richmond, Virginia 23218

Telephone: (804) 698-4000

PROPOSAL(S) TO ISSUE/REISSUE/AMEND/TERMINATE ONE OR MORE OF THE FOLLOWING: VA POLLUTANT DISCHARGE ELIMINATION SYSTEM (VPDES), VA PRETREATMENT PROGRAM in a VPDES PERMIT; VA POLLUTION ABATEMENT (VPA) OR VA WATER PROTECTION PERMIT(S) PURSUANT TO U. S. PUBLIC LAW 92-500 AS AMENDED AND SECTION 62.1-44.2 ET SEQ OF THE CODE OF VIRGINIA AS AMENDED.

The municipal, industrial or private facility owners on the attached list have applied for issuance, reissuance or amendment of a permit to either discharge treated wastes into the waters of the Commonwealth of Virginia (VPDES); approve or modify a pretreatment program or parts thereof for facilities that discharge to a POTW that is covered by a VPDES permit; handle waste and wastewater in a manner that does not involve discharging to a sewage treatment works or to state waters (VPA); or withdraw surface water, impound non-agricultural waters or impact surface waters such as by land clearing, dredging, filling, excavating, draining, or ditching in open water, streams, and wetlands (VWP).

On the basis of preliminary review and application of lawful standards and regulations, the Department of Environmental Quality (DEQ) proposes to issue/reissue/amend/terminate the permit(s) subject to certain limitations and special conditions. These proposed determinations are tentative.

## PROCEDURES FOR FORMULATION OF FINAL DETERMINATIONS

Persons may comment in writing to the DEQ on the proposed permit within 30 days from the date of newspaper public notice. Comments shall include address and phone number of the writer, and shall contain a complete, concise statement of the factual basis for the comments. Only those comments received within this period will be considered by the DEQ. The DEQ may, upon request or upon its own motion, decide to hold a public

hearing if it determines that public response is significant. As of September 1, 1985, the mailing notice will be *informational only* and is considered to be confirmation of newspaper notices and not the official notice for comments.

All pertinent information is on file and may be inspected and arrangements made for copying at the Regional Office having jurisdiction as indicated in the first column of the attached list:

Southwest Regional Office, 355-A Deadmore Street, Abingdon, Virginia 24210, (276) 676-4800.

Blue Ridge Regional Office-Roanoke (WCRO), 3019 Peters Creek Road, Roanoke, Virginia 24019, (540) 562-6700.

Valley Regional Office, 4411 Early Road, P. O. Box 3000, Harrisonburg, Virginia 22801, (540) 574-7800.

Northern Regional Office, 13901 Crown Court, Woodbridge, Virginia 22193, (703) 583-3800.

Piedmont Regional Office, 4949-A Cox Road, Glen Allen, Virginia 23060, (804) 527-5020.

**Tidewater Regional Office**, 5636 Southern Boulevard, Virginia Beach, Virginia 23462, (757) 518-2000.

Blue Ridge Regional Office-Lynchburg (SCRO), 7705 Timberlake Road, Lynchburg, Virginia 24502, (434) 582-5120

Following the newspaper notice comment period, the DEQ will make its determination regarding name, the proposed permit. These determinations will then become effective unless the DEQ grants a public hearing. Due notice of any public hearing will be given.

# Blue Ridge Regional Office-Roanoke (WCRO), 3019 Peters Creek Road, Roanoke, Virginia 24019

The purpose of this notice is to seek public comment on a draft permit from the DEQ that will allow the release of treated wastewater into a water Facility: Glen Creek WWTP, 356 Campground Drive, Glen Lyn, Virginia 24093. The applicant proposes to release treated sewage wastewaters body in Giles County, Virginia. Applicant: Town of Rich Creek, P. O. Box 65, Rich Creek, Virginia 24147; Permit No. VPDES VA0080837. from residential areas at a rate of 0.2 million gallons per day into a water body.

The DEQ contact: Lynn Wise, Phone: (540) 562-6787; Email: <a href="mailto:lynn.wise@deq.virginia.gov">lynn.wise@deq.virginia.gov</a>; Fax: (540) 562-6725.

stormwater into a water body in Danville County, Virginia. Applicant: City of Danville, Danville Utilities, 279 Park Avenue, Danville, Virginia 24541; Permit No. VPDES VA0060593. Facility: Danville - Northside Wastewater Treatment Plant, 229 Northside Drive, Danville, Virginia 24540. The applicant proposes to release treated sewage wastewaters at a rate of 20 million gallons per day and stormwater into a water body. The purpose of this notice is to seek public comment on a draft permit from the DEQ that will allow the release of treated wastewater and The DEQ contact: Susan Edwards, Phone: (540) 562-6764; Email: susan.edwards@deq.virginia.gov; Fax: (540) 562-6725. The purpose of this notice is to seek public comment on a draft permit from the DEQ that will allow the release of treated wastewater into a water 43215; Permit No. VPDES VA0087114. Facility: Reusens Hydroelectric Plant, 4200 Hyrdo Street, Lynchburg, Virginia 24503. The applicant body in the City of Lynchburg and Amherst County, Virginia. Applicant: Appalachian Power Company, 1 Riverside Plaza, Columbus, Ohio proposes to release cooling water at a rate of 0.154 million gallons per day into a water body.

The DEQ contact: Becky France, Phone: (540) 562-6700; Email: becky.france@deq.virginia.gov; Fax: (540) 562-6725.

## Tidewater Regional Office, 5636 Southern Boulevard, Virginia Beach, Virginia 23462

Bourey, City Manager, City of Newport News, 2400 Washington Avenue, 10th Floor, Newport News, Virginia 23607; Permit No. VWPP No. 13-0611. The City of Newport News has applied for a VWP individual permit to construct modifications to the Lee Hall Reservoir in Newport News The purpose of this notice is to seek public comment on the draft permit from the DEQ that will allow impacts to nontidal wetlands, subaqueous bottom, and perennial and intermittent stream channel in Newport News and York County. Applicant: City of Newport News, c/o Mr. James and York County, in order to comply with the Virginia Department of Conservation and Recreation Division of Dam Safety regulations. The DEQ contact: Peggy Emslie, Phone: (757) 518-2109; Email: margaret.emslie@deq.virginia.gov; Fax: (757) 518-2009.

regulated municipal activity into a waterway in Franklin, Virginia. Applicant: City of Franklin, P. O. Box 179, Franklin, Virginia 23851; Permit No. VPDES VA0023922. Facility: City of Franklin WWTP, 501 S. Main Street, Franklin, Virginia 23851. The applicant proposes to release The purpose of this notice is to seek public comment on the draft permit from the DEQ that will allow the release of treated wastewater from a treated domestic wastewater at a design flow rate of 2.0 million gallons per day into a water body.

The DEQ contact: Robert Smithson, Phone: (757) 518-2106; Email: robert.smithsonjr@deq.virginia.gov; Fax: (757) 518-2009.



### COMMONWEALTH of VIRGINIA

### DEPARTMENT OF ENVIRONMENTAL QUALITY TIDEWATER REGIONAL OFFICE

Molly Joseph Ward Secretary of Natural Resources 5636 Southern Boulevard, Virginia Beach, Virginia 23462 (757) 518-2000 Fax (757) 518-2009 www.deg.virginia.gov

David K. Paylor Director Maria R. Nold Regional Director

April 7, 2014

Mr. Robert Randy Martin, City Manager City of Franklin 207 W. Second Ave. P. O. Box 179 Franklin, VA 23851

RE:

Reissuance of VPDES Permit No. VA0023922 Draft Permit, Fact Sheet and Public Notice

Dear Mr. Martin:

The State Water Control Board is considering reissuing the referenced permit. Please review the enclosed draft permit package with fact sheet and public notice carefully.

Certain public notice procedures must be complied with before the actual permit can be approved. They are as follows:

- 1. The attached public notice must be published once a week for two consecutive weeks in a newspaper of general local circulation. We have your signed Public Notice Billing Information Form, which will allow the newspaper to bill you for the public notice. In order for you to continue to discharge under state and federal laws, a new permit must be issued by the expiration date of the current permit. The term of the current permit cannot be extended beyond its expiration date if the owner is the cause of the delay in permit reissuance.
- 2. A minimum of 30 days will be allowed for public response following the date of the first public notice. If no public response is received, or the public response can be satisfactorily answered, then the permit will be processed. However, if there is significant public response, then we may hold a public hearing. You will be advised if this occurs.

If you have any questions or comments on the draft permit or public notice requirements, please contact me at (757) 518-2106.

Robert E. Smithson, Jr.

Environmental Specialist Senior

Encl: Draft Permit and Fact Sheet

Public Notice

cc: DEQ-TRO ECM File

### Public Notice - Environmental Permit

PURPOSE OF NOTICE: To seek public comment on a draft permit from the Department of Environmental Quality that will allow the release of treated wastewater from a regulated municipal activity into a waterway in Franklin, Virginia.

PUBLIC COMMENT PERIOD: 30 days from the first date of this public notice (<u>date to be inserted</u> <u>by newspaper</u>)

PERMIT NAME: Virginia Pollutant Discharge Elimination System Permit for wastewater issued by DEQ, under the authority of the State Water Control Board

APPLICANT NAME, ADDRESS AND PERMIT NUMBER: : City of Franklin, P. O. Box 179, Franklin, VA 23851; Permit No. VA0023922

NAME AND ADDRESS OF FACILITY: City of Franklin WWTP, 501 S. Main Street Franklin, VA 23851 PROJECT DESCRIPTION: The City of Franklin has applied for reissuance of a permit for the discharge of their treated domestic waste water, discharging from their municipal wastewater treatment plant to the Blackwater River. The applicant proposes to release treated domestic wastewater at a design flow rate of 2.0 million gallons per day into a water body. The permit will limit the following pollutants to amounts that protect water quality – BOD5, TSS, TRC, D.O., E. Coli, Ammonia-Nitrogen, Total Phosphorus, Cadmium, Copper, Zinc, and Silver. Sludge that is generated will be composted or landfilled. The facility proposes to release treated sewage in Franklin, VA into the Blackwater River in the Chowan and Dismal Swamp watershed. A watershed is the land area drained by a river and its incoming streams.

HOW TO COMMENT AND/OR REQUEST A PUBLIC HEARING: DEQ accepts comments and requests for public hearing hand-delivery, by e-mail, fax or postal mail. All comments and requests must be in writing and be received by DEQ during the comment period. Submittals must include the names, mailing addresses and telephone numbers of the commenter/requester and of all persons represented by the commenter/requester. A request for public hearing must also include: 1) The reason why a public hearing is requested. 2) A brief, informal statement regarding the nature and extent of the interest of the requester or of those represented by the requestor, including how and to what extent such interest would be directly and adversely affected by the permit. 3) Specific references, where possible, to terms and conditions of the permit with suggested revisions. A public hearing may be held, including another comment period, if public response is significant, based on individual requests for a public hearing, and there are substantial, disputed issues relevant to the permit.

CONTACT FOR PUBLIC COMMENTS, DOCUMENT REQUESTS AND ADDITIONAL INFORMATION: ROBERT SMITHSON, DEQ Tidewater Regional Office, 5636 Southern Blvd. Va. Beach 23462. Tel: 757-518-2106 Fax: 757-518-2009. E-mail: robert.smithsonjr@deq.virginia.gov The public may review the draft permit and application at the DEQ office named above by appointment or may request copies of the documents from the contact person listed above.

Date: 3/31/2014

To: Kristie Britt, TRO

Permit Writer: R.E.Smithson

Facility: City of Franklin WWTP

Permit Number: VA0023922

Issuance, Reissuance or Modification (if Modification describe): reissuance

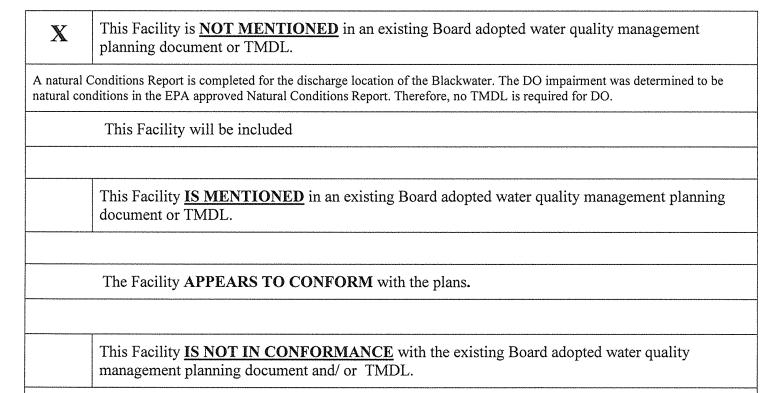
Permit Expiration Date: 6/22/2014

Waterbody ID (ex: VAT-G15E): VAT-K36R

Topo Name: Franklin 05B

Facility Address: 501 S. Main St., Franklin 23851

Please Review the subject VPDES permit Package [Application / Fact Sheet/ Part I] for conformance with the applicable Board Adopted plans and indicate one of the following:



Review will be completed in 15 days of receipt of request.

### Additional Comments:

KNB 4/7/2014

### **MEMORANDUM**

### VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY TIDEWATER REGIONAL OFFICE

5636 Southern Boulevard

Virginia Beach, VA 23462

SUBJECT: TMP language for City of Franklin WWTP (VA0023922)

TO:

Robert Smithson

FROM:

Deanna Austin

DATE:

3/26/14

The City of Franklin WWTP is designed at 2.0 MGD and discharges to the Blackwater River. The plant uses UV for disinfection. The table below shows the data gathered during the current permit term (2009-2014).

DESCRIPT	SPECIES	SAMPLEDT	LC50	SURVIVAL	NOEC	TU	LAB
1st Annual Acute	C.d.	05-Dec-10	100	100		1	JR Reed
1st Annual Chronic	P.p.	05-Dec-10		99	99	1.01	JR Reed
2nd Annual Acute	C.d.	04-Dec-11	100	100		1	JR Reed
2nd Annual Chronic	P.p.	04-Dec-11		99	99	1.01	JR Reed
3rd Annual Acute	C.d.	14-Oct-12	100	100		1	JR Reed
3rd Annual Chronic	P.p.	14-Oct-12	A CONTRACT	99	99	1.01	JR Reed
4th Annual Acute	C.d.	06-Oct-13	100	100		1	JR Reed
4th Annual Chronic	P.p.	06-Oct-13	100	99	99	1.01	JR Reed

The facility has had continued compliance with their acute and chronic endpoints, therefore no changes are recommended for reissuance. Because the facility is a municipal major facility, toxicity testing must continue on an annual basis using 2 species.

The following TMP language is recommended for the reissuance of the City of Franklin WWTP permit (VA0023922).

### 1. Biological Monitoring

a. In accordance with the schedule in E.2.below, the permittee shall conduct annual toxicity tests for the duration of the permit.

The permittee shall collect a 24-hour flow-proportioned composite sample of final effluent from outfalls 001 in accordance with the sampling methodology in Part I.A. of this permit. The composite sample for toxicity testing shall be taken at the same time as the monitoring for the outfall in Part 1.A. of this permit. Annual acute and chronic tests shall be conducted for outfall 001 using:

48 Hour Static Acute test using **Ceriodaphnia dubia** 

Chronic 7-day Static Renewal Survival and Growth Test with Pimephales promelas

b. The acute tests shall be performed with a minimum of 5 dilutions, derived geometrically, for the calculation of a valid  $LC_{50}$ . Express the results as  $TU_a$  (Acute Toxic Units) by dividing 100/  $LC_{50}$  for reporting.

The chronic tests shall be conducted in such a manner and at sufficient dilutions (minimum of five dilutions, derived geometrically) to determine the "No Observed Effect Concentration" (NOEC) for survival and growth. Results which cannot be quantified (i.e., a "less than" NOEC value) are not acceptable, and a retest will have to be performed. Express the test NOEC as  $TU_c$  (Chronic Toxic Units), by dividing 100/NOEC for reporting. Report the LC50 at 48 hours and the IC25 with the NOEC's in the test report.

Test procedures and reporting shall be in accordance with the WET testing methods cited in 40 CFR 136.3.

- c. The permittee may provide additional samples to address data variability during the period of initial data generation. These data shall be reported and may be included in the evaluation of the effluent toxicity. Test procedures and reporting shall be in accordance with the WET testing methods cited in 40 CFR 136.3.
- d. If, in the testing according to E.1., any toxicity tests that are invalidated, the tests shall be repeated within the testing period that the original test was taken, or if already past that period, within thirty (30) days of notification.

- e. The test dilutions shall be able to determine compliance with the following endpoints:
  - (1) Acute  $LC_{50}$  of 100% equivalent to a  $TU_a$  of 1.0
  - (2) Chronic NOEC of 99% equivalent to a  $TU_c$  of 1.01

### 2. Reporting Schedule

The permittee shall report the results and supply **one** complete copy of the toxicity test reports to the Tidewater Regional Office in accordance with the schedule below. A complete report must contain a copy of all laboratory benchsheets, certificates of analysis, and all chains of custody. All data shall be submitted by the  $10^{\rm th}$  of the month following sampling.

(a)	Conduct first annual acute TMP test using Ceriodaphnia dubia and conduct first annual chronic TMP test using Pimephales promelas for outfall 001	By December 31, 2015
(b)	Submit results of all biological tests	By the 10 <sup>th</sup> of the month following sampling but no later than January 10, 2016
(c)	Conduct subsequent annual acute TMP tests using Ceriodaphnia dubia and subsequent annual chronic TMP tests using Pimephales promelas for outfall 001	By December 31, 2016, 2017, and 2018
(d)	Submit subsequent annual biological tests	By the 10 <sup>th</sup> of the month following sampling but no later than January 10, 2017, 2018 and 2019

From:

Skiles, Keith (VDH)

Sent:

Monday, March 24, 2014 9:45 AM

To:

Smithson Jr., Robert (DEQ)

Subject:

RE: 2nd reminder: Need DSS Comments On Applications For Franklin WWTP, US NAvy -

NAVSECRU & Northwest Rv WTP

Bob,

The Division of Shellfish Sanitation has no comments/objections to the following applications:

VA0088404, Northwest River WTP, Chesapeake, VA

VA0024244- US Naval Support Activity NW Annex WWTP Reissuance, Chesapeake.

VA0023922- City of Franklin WWTP Reissuance, Franklin, Southampton Co.

Let me know if you need anything else.

Keith

From: Smithson Jr., Robert (DEQ)

Sent: Wednesday, March 19, 2014 2:57 PM

**To:** Skiles, Keith (VDH) **Cc:** Sauer, Mark (DEQ)

Subject: 2nd reminder: Need DSS Comments On Applications For Franklin WWTP, US NAvy -NAVSECRU & Northwest Rv

WTP

From: Smithson Jr., Robert (DEQ)

Sent: Monday, March 10, 2014 11:33 AM

**To:** Skiles, Keith (VDH)

Subject: Need Your VPDES Comments On Applications For Franklin WWTP, US NAvy -NAVSECRU & Northwest Rv WTP

Hi Keith,

It has been a little over a month since we solicited DSS comments on the 3 referenced applications. Could you shoot me your responses on these 3 projects, even if it's just an e-mail that DSS has no comments/objections? Thanks

From:

Smithson Jr., Robert (DEQ)

Sent:

Wednesday, March 19, 2014 2:57 PM

To: Cc: Skiles, Keith (VDH)

Subject:

Sauer, Mark (DEQ) 2nd reminder: Need DSS Comments On Applications For Franklin WWTP, US NAvy -

NAVSECRU & Northwest Rv WTP

From: Smithson Jr., Robert (DEQ)

**Sent:** Monday, March 10, 2014 11:33 AM / ST Remi

To: Skiles, Keith (VDH)

Subject: Need Your VPDES Comments On Applications For Franklin WWTP, US NAvy -NAVSECRU & Northwest Rv WTP

Hi Keith,

It has been a little over a month since we solicited DSS comments on the 3 referenced applications. Could you shoot me your responses on these 3 projects, even if it's just an e-mail that DSS has no comments/objections? Thanks

### VIRGINIA DEQ NO EXPOSURE CERTIFICATION FOR EXCLUSION FROM VPDES INDUSTRIAL ACTIVITY STORMWATER PERMITTING

Submission of this No Exposure Certification constitutes notice that the entity identified below does not require permit authorization for its stormwater discharges associated with industrial activity under the VPDES Permit Program due to the existence of a condition of No Exposure.

A condition of No Exposure exists at an industrial facility when all industrial materials and activities are protected by a storm resistant shelter to prevent exposure to rain, snow, snowmelt, and/or runoff. Industrial materials or activities include, but are not limited to, material handling equipment or activities, industrial machinery, raw materials, intermediate products, by-products, final products, or waste products. Material handling activities include the storage, loading and unloading, transportation, or conveyance of any raw material, intermediate product, final product or waste product. A storm resistant shelter is not required for the following industrial materials and activities:

- · drums, barrels, tanks, and similar containers that are tightly sealed, provided those containers are not deteriorated and do not leak. "Sealed" means banded or otherwise secured and without operational taps or valves;
- · adequately maintained vehicles used in material handling; and
- final products, other than products that would be mobilized in stormwater discharges (e.g., rock salt).

A No Exposure Certification must be provided for each facility qualifying for the No Exposure exclusion. In addition, the exclusion from VPDES permitting is available on a facility-wide basis only, not for individual outfalls. If any industrial activities or materials are or will be exposed to precipitation, the facility is not eligible for the No Exposure exclusion.

By signing and submitting this No Exposure Certification form, the entity below is certifying that a condition of No Exposure exists at its facility or site, and is obligated to comply with the terms and conditions at 9VAC25-31-120 E (the VPDES Permit Regulation). Please Type or Print All Information. ALL INFORMATION ON THIS FORM MUST BE PROVIDED. 1. Facility Operator Information MAR 14 2014 <del>Tidewater Regional</del> Office State: 2. Facility/Site Location Information City: County Name: Latitude: 4011911 Longitude: 3. Was the facility or site previously covered under a VPDES stormwater permit? Yes If "Yes", enter the VPDES permit number: 4. SIC/Activity Codes: Primary: 4452 Secondary (if applicable): 5. Total size of facility/site associated with industrial activity: acres 6. Have you paved or roofed over a formerly exposed pervious area in order to qualify for the No Exposure exclusion? Yes No 12 If "Yes", please indicate approximately how much area was paved or roofed. Completing this question does not disqualify you for the No Exposure exclusion. However, DEQ may use this information in considering whether stormwater discharges from your site are likely to have an adverse impact on water quality, in which case you could be required to obtain permit coverage. Less than one acre One to five acres More than five acres

### 7. Exposure Checklist

Cit	e any of the following materials or activities exposed to precipitation, now or in the foreseeableck either "Yes" or "No" in the appropriate box.) If you answer "Yes" to any of these questly you are NOT oligible for the No. France was a light of the No. 1 you are NOT oligible for the No. France was a light of the No. 1 you are NOT oligible for the No. 1 you are NOT oligible for the No. 1 you are NOT oligible for the No. 1 you are not only the new temperature.	le future? itions (1)	(Please
(	), you are <u>NOT</u> eligible for the No Exposure exclusion.	V	<b>.</b>
(1)	Using, storing or cleaning industrial machinery or equipment, and areas where residuals from using, storing or cleaning industrial machinery or equipment remain and are exposed to stormwater	Yes	No 1
(2)	Materials or residuals on the ground or in stormwater inlets from spill/leaks		
(3)	Materials or products from past industrial activity	П	
(4)	Material handling equipment (except adequately maintained vehicles)	П	
(5)	Materials or products during loading/unloading or transporting activities	П	
	Materials or products stored outdoors (except final products intended for outside use [e.g., new cars] where exposure to stormwater does not result in the discharge of pollutants)		
(7)	Materials contained in open, deteriorated or leaking storage drums, barrels, tanks, and similar containers		
(8)	Materials or products handled/stored on roads or railways owned or maintained by the discharger		
(9)	Waste material (except waste in covered, non-leaking containers [e.g., dumpsters])		W
(10)	Application or disposal of process wastewater (unless otherwise permitted)		
(11)	Particulate matter or visible deposits of residuals from roof stacks and/or vents not otherwise regulated (i.e., under an air quality control permit) and evident in the stormwater outflow		
8. Cer	tification Statement		
contami as allow	under penalty of law that I have read and understand the eligibility requirements for claiming e and obtaining an exclusion from VPDES stormwater permitting; and that there are no discharnated by exposure to industrial activities or materials from the industrial facility identified in this ed under <u>9VAC25-31-120 E 2</u> ).	ges of sto documen	rmwater t (except
applicab perform request.	tand that I am obligated to submit a No Exposure Certification form once every five years to to mental Quality and, if requested, to the operator of the local MS4 into which this facility dole). I understand that I must allow the Department, or MS4 operator where the discharge is into inspections to confirm the condition of no exposure and to make such inspection reports public I understand that I must obtain coverage under a VPDES permit prior to any point souter associated with industrial activity from the facility.	ischarges the local	(where MS4, to
I certify accordant submittee in gathe complete	under penalty of law that this document and all attachments were prepared under my direction note with a system designed to assure that qualified personnel properly gathered and evaluated. Based upon my inquiry of the person or persons who manage the system, or those persons ring the information, the information submitted is to the best of my knowledge and belief the information are significant penalties for submitting false information, including the risonment for knowing violations.	d the info directly ue. accur	ormation involved rate and
Print	Name: RUSSEU L. PACE		
Print	Title: DIRECTOR OF PUBLIC WORKS		
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Signa	ature: Russell V. Pari Date: 3/12/19	Ĺ	
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Accepted/N	lot Accepted by: Date :		

Molly Joseph Ward Secretary of Natural Resources



Joe Elton Interim Director

### COMMONWEALTH of VIRGINIA

### DEPARTMENT OF CONSERVATION AND RECREATION

600 East Main Street, 24<sup>th</sup> Floor Richmond, Virginia 23219 (804) 786-6124

March 12, 2014

Robert Smithson DEQ-TRO 5636 Southern Boulevard Virginia Beach, VA 23462

Re: VA0023922, City of Franklin WWTP

Dear Mr. Smithson:

The Department of Conservation and Recreation's Division of Natural Heritage (DCR) has searched its Biotics Data System for occurrences of natural heritage resources from the area outlined on the submitted map. Natural heritage resources are defined as the habitat of rare, threatened, or endangered plant and animal species, unique or exemplary natural communities, and significant geologic formations.

According to the information currently in our files, the Mantled baskettail (*Epitheca semiaquea*, G5/S1/NL/NL) has been historically documented in the Blackwater River. The Mantled baskettail is a medium-sized, state rare dragonfly that is found in open water areas along the east coast from Florida to southern Canada, and in Texas and Oklahoma (Dunkle, 2000). In Virginia, it is known from only a single location in the Coastal Plain. The usual habitat for this dragonfly is clear-water, sand-bottom lakes and stream pools. Like all adult dragonflies, it is predaceous, consuming smaller dragonflies and other aquatic and flying insect.

Adult Odonata (dragonflies and damselflies) lay their eggs on emergent vegetation or debris at the water's edge. Unlike the adults, the larvae are aquatic where they typically inhabit the sand and gravel of the substrates. Wingless and possessing gills, they crawl about the submerged leaf litter and debris stalking their insect prey. The larvae seize unsuspecting prey with a long, hinged "grasper" that folds neatly under their chin. When larval development is complete, the aquatic larvae crawl from the water to the bank, climb up the stalk of the shoreline vegetation, and the winged adult emerges (Hoffman 1991; Thorpe and Covich 1991).

Because of their aquatic lifestyle and limited mobility, the larvae are particularly vulnerable to shoreline disturbances that cause the loss of shoreline vegetation and siltation. They are also sensitive to alterations that result in poor water quality, aquatic substrate changes, and thermal fluctuations.

To minimize impacts to aquatic resources, DCR recommends the use of uv/ozone to replace chlorination disinfection and utilization of new technologies as they become available to improve water quality.

Under a Memorandum of Agreement established between the Virginia Department of Agriculture and Consumer Services (VDACS) and the DCR, DCR represents VDACS in comments regarding potential impacts on state-listed threatened and endangered plant and insect species. The current activity will not affect any documented state-listed plants or insects.

There are no State Natural Area Preserves under DCR's jurisdiction in the project vicinity.

New and updated information is continually added to Biotics. Please re-submit a completed order form and project map for an update on this natural heritage information if the scope of the project changes and/or six months has passed before it is utilized.

The Virginia Department of Game and Inland Fisheries (VDGIF) maintains a database of wildlife locations, including threatened and endangered species, trout streams, and anadromous fish waters that may contain information not documented in this letter. Their database may be accessed from <a href="http://vafwis.org/fwis/">http://vafwis.org/fwis/</a> or contact Gladys Cason (804-367-0909 or <a href="mailto:Gladys.Cason@dgif.virginia.gov">Gladys.Cason@dgif.virginia.gov</a>).

Should you have any questions or concerns, feel free to contact me at (804) 692-0984. Thank you for the opportunity to comment on this project.

2000

Sincerely,

Alli Baird, LA, ASLA

Coastal Zone Locality Liaison

### Literature Cited

Dunkle, S. W. 2000. Dragonflies through binoculars: A field guide to dragonflies of North America. Oxford University Press. New York, NY. 266 pp.

Hoffman, R. 1991. Arthropods. Pp. 173 in: K. Terwilliger (ed.), Virginia's Endangered Species: proceedings of a symposium. The McDonald and Woodward Publishing Company, Blacksburg, VA.

Thorpe, J.H., and A.P. Covich. 1991. Ecology and Classification of North American Freshwater Invertebrates. Academic Press, Inc., San, Diego, California.

Web Project ID: WEB000001600

Client Project Number:

## PROJECT INFORMATION

TITLE: VA0023922-City of Franklin WWTP (reissuance)

DESCRIPTION: The facility is listed on the DCR list of projects for review for FY14.

EXISTING SITE CONDITIONS: N/A

QUADRANGLES: Franklin

COUNTIES: Isle of Wight, City of Franklin

Latitude/Longitude (DMS): 36°40'27.2950"N / 76°55'0.8496"W

Acreage: 2 acres

Comments: One permitted outfall (001): your map system does not allow for multiple shapes to designate specific outfalls. The reissuance application is attached with maps. Because your site only allows for 2MB, a link to the external FTP site is attached where the application can be found. Please copy the entire link into your browser. http://www.deq.virginia.gov/fileshare/wps/permit/tro/VDH, DSS, VMRC For Review/VA0023922 City of Franklin WWTP 2014/

## REQUESTOR INFORMATION

Tier Level: Tier II Priority: N

Contact Name: Robert Smithson

Company Name: DEQ-Tidewater Regional Office

Address: 5636 Southern Blvd.

City: Va. Beach

State: VA

Zip: 23462

Report Created: 2/18/2014

Conservation Site	Site Type	Brank Acreage	ge Listed Species Presence
ROUTE 618 PINE BARRENS	Conservation Site		
ANTIOCH SWAMP SCU	SCU	B3 3,	3158 SL
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Natural Heritage Screening Features within Search Radius			

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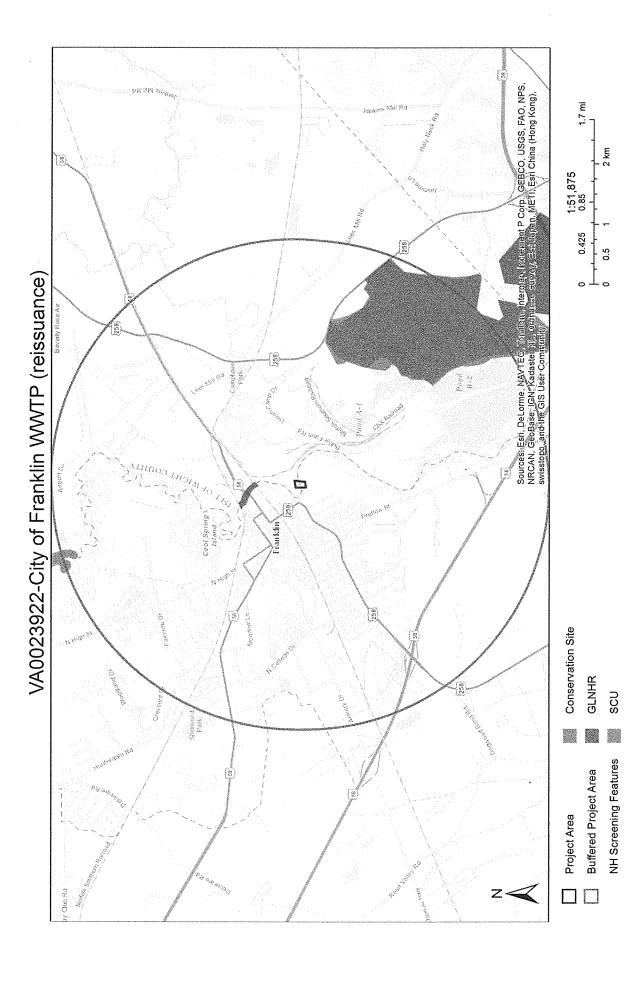
Site Name	Group Name	Common Name	Scientific Name	GRANK SRANK	SRANK	Fed Status	State EO Status Rank	) Last Obs ik Date	Preci sion
	Invertebrate	Mantled Baskettail	Epitheca semiaquea	G5	S1		I	5/20/1977	S
	Animal								
ROUTE 618 PINE	Vascular Plant	Fasciculate	Rhynchospora	G5	S			7/3/2002	
BAKKENS		Beakrush Sense serimorie	fascicularis	Ç	040			010014067	Ç
	Vascular Plant	Senna seymena	Seymenta cassioldes	က ( ၅ (	2010			1981/87/8	5
ROUTE 618 PINE BARRENS	Vascular Plant	Wooly Chaffhead	Carphephorus tomentosus	<b>G</b> 4	S		ပ	8/21/2002	
	Vascular Plant	Wooly Chaffhead	Carphephorus	G4	S1		<b>T</b>	9/2/1940	<b>ပ</b>
			tomentosus						
	Vascular Plant	Creeping Blueberry	Vaccinium	G4G5	S1		I	5/29/1966	ග
			crassifolium						
ROUTE 618 PINE	Vascular Plant	Creeping Blueberry	Vaccinium	G4G5	S		O	8/21/2002	
BARRENS			crassifolium						
<b>ROUTE 618 PINE</b>	Vascular Plant	Carolina yellow-eyed	Xyris caroliniana	G4G5	S		O	8/21/2002	
BARRENS		grass							
<b>ROUTE 618 PINE</b>	Vascular Plant	Common pyxie-moss	Pyxidanthera	64	S.		ပ	8/21/2002	
BARRENS			barbulata var.						
			barbulata						
ROUTE 618 PINE	Vascular Plant	Sheep laurel	Kalmia angustifolia	G2	<b>S</b> 2		O	8/21/2002	Ø
BAKKENO	Vection Diant	l colone	Ointe along	, C	δ		3	1004	¥
	vasculal Flain	Louglear pine	r ii lus paiusuis	3	5				Ξ
ROUTE 618 PINE BARRENS	Vascular Plant	Longleaf pine	Pinus palustris	<b>G</b> 2	S		CO	8/21/2002	
ROUTE 618 PINE	Vascular Plant	Sandy-woods	Carphephorus	<b>G</b> 4	S1		O	8/21/2002	
BAKKENS		Chatthead	pellidifolius						
ROUTE 618 PINE BARRENS	Vascular Plant	Sandy-woods Chaffhead	Carphephorus bellidifolius	<b>9</b>	S <sub>1</sub>		Ω	8/25/1995	ဟ

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'n	9/5/2012	ن			<u>ر</u>	20 10 10 10 10 10 10 10 10 10 10 10 10 10	Morella purnila	Dwari wax iriyrie	Vascular Fiam.	BARRENS
							Woodland		i	
							Vaccinium tenellum			
							angustifolia -			
							frondosa - Kalmia			
							Gaylussacia			
							Quercus laevis /	Woodland		
							(Pinus serotina) /	Scrub Oak Sandhill	Community	BARRENS
	8/21/2002	ე ე			S S	<u>9</u>	Pinus palustris -	Longleaf Pine /	Natural	<b>ROUTE 618 PINE</b>
						4T5	var. setacea			
Σ	1981-	I			S	G4G5T	Stipulicida setacea	Pineland Scaly-pink	Vascular Plant	
						4T5	var. setacea			BARRENS
	8/21/2002	ပ			S	G4G5T	Stipulicida setacea	Pineland Scaly-pink	Vascular Plant	<b>ROUTE 618 PINE</b>
							debilis	beaksedge		
ဟ	8/28/1967	I			S1	642	Rhynchospora	Savannah	Vascular Plant	
										BARRENS
		ပ			S2	64	Desmodium strictum	Pineland Tick-trefoil	Vascular Plant	<b>ROUTE 618 PINE</b>
sion	Date	Rank	Status	Status						
Preci	Last Obs	03	State	Fed	GRANK SRANK	GRANK	Scientific Name	Common Name	Group Name	Site Name

Intersecting Predictive Models
Predictive Model Results

Company: DEQ-Tidewater Regional Office

Lat/Long: 364027 / -765500



Counties: Isle of Wight, City of Franklin

Quads: Franklin



## COMMONWEALTH of VIRGINIA

DEPARTMENT OF CONSERVATION AND RECREATION

natural heritage resources from the area indicated for this project. Natural heritage resources are defined as the habitat of rare, threatened, or endangered plant and The project mapped as part of this report has been searched against the Department of Conservation and Recreation's Biotics Data System for occurrences of animal species, unique or exemplary natural communities, and significant geologic formations.

According to the information currently in Biotics files, NATURAL HERITAGE RESOURCES HAVE BEEN DOCUMENTED within two miles of the indicated project boundaries and/or POTENTIAL HABITAT FOR NATURAL HERITAGE RESOURCES intersect the project area. You have submitted this project to DCR for a more detailed review for potential impacts to natural heritage resources. DCR will review the submitted project to identify minimize and/or mitigate these impacts. If the potential negative impacts are to species that are state- or federally-listed as threatened or endangered, DCR will also the specific natural heritage resources in the vicinity of the proposed project. Using the expertise of our biologists, DCR will evaluate whether your specific project is Department of Agriculture and Consumer Services for state-listed plants and insects, and the United States Fish and Wildlife Service for federally listed plants and likely to impact these resources, and if so how. DCR's response will indicate whether any negative impacts are likely and, if so, make recommendations to avoid, recommend coordination with the appropriate regulatory agencies: the Virginia Department of Game and Inland Fisheries for state-listed animals, the Virginia animals. If your project is expected to have positive impacts we will report those to you with recommendations for enhancing these benefits.

There will be a charge for this service for "for profit companies": \$60, plus an additional charge of \$35 for 1-5 occurrences and \$60 for 6 or more

Please allow up to 30 days for a response, unless you requested a priority response (in 5 business days) at an additional surcharge of \$500. An invoice will be provided with your response.

including photographs, survey documents, etc. attached during the project submittal process and/or sent via email referencing the project title (from the first page of We will review the project based on the information you included in the Project Info submittal form, which is included in this report. Also any additional information this report) Thank you for submitting your project for review to the Virginia Natural Heritage Program through the NH Data Explorer. Should you have any questions or concerns about DCR, the Data Explorer, or this report, please contact the Natural Heritage Project Review Unit at 804-371-2708.



Web Project ID: WEB000001600

Client Project Number:

## PROJECT INFORMATION

TITLE: VA0023922-City of Franklin WWTP (reissuance)

DESCRIPTION: The facility is listed on the DCR list of projects for review for FY14.

EXISTING SITE CONDITIONS: N/A

QUADRANGLES: Franklin

COUNTIES: Isle of Wight, City of Franklin

Latitude/Longitude (DMS): 36°40'27.2950"N / 76°55'0.8496"W

Acreage: 2 acres

Comments: One permitted outfall (001): your map system does not allow for multiple shapes to designate specific outfalls. The reissuance application is attached with maps. Because your site only allows for 2MB, a link to the external FTP site is attached where the application can be found. Please copy the entire link into your browser. http://www.deq.virginia.gov/fileshare/wps/permit/tro/VDH, DSS, VMRC For Review/VA0023922 City of Franklin WWTP 2014/

## REQUESTOR INFORMATION

Tier Level: Tier II Priority: N

Contact Name: Robert Smithson

Company Name: DEQ-Tidewater Regional Office

Address: 5636 Southern Blvd.

City: Va. Beach

State: VA

Zip: 23462

Virginia Department of Conservation and Recreation, Natural Heritage Program

Presence									
Listed Species	ls 1	불	뉟	뉟	컬	Z	Ź	Z	
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Conservation Site ROUTE 618 PINE BARRENS	ANTIOCH SWAMP SCU								Natural Heritage Screening Features within Search Ra

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Last Obs Date	5/20/1977	7/3/2002	8/28/1967	8/21/2002	9/2/1940	5/29/1966	8/21/2002	8/21/2002	8/21/2002		8/21/2002	1981-	8/21/2002	8/21/2002	8/25/1995
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State Status															
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GRANK SRANK	S1	S	S1S2	S	S	S	S	S	S		<b>S</b> 5	S	S	S	S
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Scientific Name	Epitheca semiaquea	Rhynchospora fascicularis	Seymeria cassioides	Carphephorus tomentosus	Carphephorus tomentosus	Vaccinium crassifolium	Vaccinium crassifolium	Xyris caroliniana	Pyxidanthera barbulata var.	barbulata	Kalmia angustifolia	Pinus palustris	Pinus palustris	Carphephorus bellidifolius	Carphephorus bellidifolius
Common Name	Mantled Baskettail	Fasciculate Beakrush	Senna seymeria	Wooly Chaffhead	Wooly Chaffhead	Creeping Blueberry	Creeping Blueberry	Carolina yellow-eyed grass	Common pyxie-moss		Sheep laurel	Longleaf pine	Longleaf pine	Sandy-woods Chaffhead	Sandy-woods Chaffhead
Group Name	Invertebrate Animal	Vascular Plant	Vascular Plant	Vascular Plant	Vascular Plant	Vascular Plant	Vascular Plant	Vascular Plant	Vascular Plant		Vascular Plant	Vascular Plant	Vascular Plant	Vascular Plant	Vascular Plant
Site Name		ROUTE 618 PINE BARRENS		ROUTE 618 PINE BARRENS	, , , , , , , , , , , , , , , , , , ,		ROUTE 618 PINE BARRENS	ROUTE 618 PINE BARRENS	ROUTE 618 PINE BARRENS		ROUTE 618 PINE BARRENS		ROUTE 618 PINE BARRENS	ROUTE 618 PINE BARRENS	ROUTE 618 PINE BARRENS

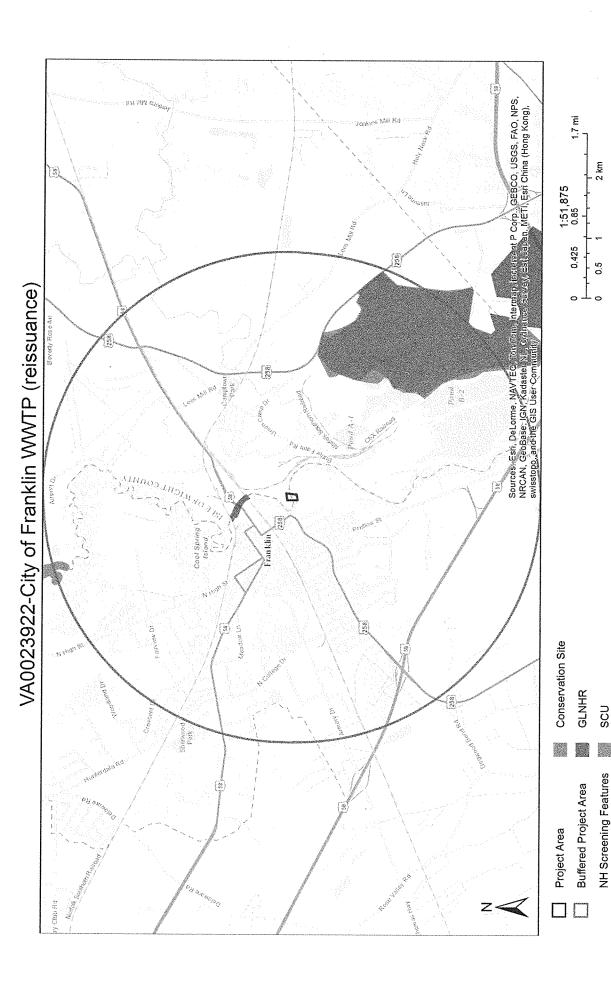
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Scientific Name		Desmodium strictum	Rhynchospora debilis	Stipulicida setacea	var. setacea	Stipulicida setacea	var. setacea	Pinus palustris -	(Pinus serotina) /	Quercus laevis /	Gaylussacia	frondosa - Kalmia	angustifolia -	Vaccinium tenellum	Woodland	Morella pumila	
Common Name		Pineland lick-tretoil	Savannah beaksedge	Pineland Scaly-pink	· · · · · · · · · · · · · · · · · · ·	Pineland Scaly-pink		Longleaf Pine /	Scrub Oak Sandhill	Woodland						Dwarf wax myrtle	arch Radius
Group Name	V/	Vascular Plant	Vascular Plant	Vascular Plant	i	Vascular Plant		Natural	Community							Vascular Plant	sources within Sea
Site Name		ROUTE 618 PINE BARRENS		8 PINE	DAKKENS			<b>ROUTE 618 PINE</b>	BARRENS							8 PINE	BARRENS Natural Heritage Resources within Search Radius

Intersecting Predictive Models Predictive Model Results

Company: DEQ-Tidewater Regional Office

Lat/Long: 364027 / -765500



Page 5 of 6

Counties: Isle of Wight, City of Franklin

Quads: Franklin



### COMMONWEALTH of VIRGINIA

### DEPARTMENT OF ENVIRONMENTAL QUALITY TIDEWATER REGIONAL OFFICE

5636 Southern Boulevard, Virginia Beach, Virginia 23462 (757) 518-2000 Fax (757) 518-2009 www.deq.virginia.gov

David K. Paylor Director

Maria R. Nold Regional Director

February 20, 2014

Mr. Russell L. Pace, Director of Public Works City of Franklin, Dept. of Public Utilities P. O. Box 179 Franklin, VA 23851

RE:

VPDES Permit Reissuance VA0023922 Franklin Waste Water Treatment Plant

Franklin, VA

Dear Mr. Pace:

Molly Joseph Ward

Secretary of Natural Resources

Your revised application with replacement pages was received February 14, 2014 has been reviewed and it appears to be complete. Other reviews of the application will be required by state agencies to ensure that public health and the environment will be protected.

The next steps involve assembling the information necessary to develop the permit limitations and then drafting the permit. Once the draft permit is prepared and the appropriate reviews are performed, I will transmit the draft permit and supporting documentation to you for review.

Thank you for your cooperation and that of your consultant in submitting the completed application. If you have any questions about our procedures or the status of your draft permit, please feel free to call me at (757) 518-2106.

1 h Vasi M

Robert E. Smithson

Environmental Specialist Senior

cc: DEQ ECM File

Mr. Donnie Cagle, Operator via e-mail



### **FACILITY NAME: City of Franklin WWTP**

### **VPDES PERMIT NUMBER: VA 0023922**

### SECTION B. GENERATION OF SEWAGE SLUDGE OR PREPARATION OF A MATERIAL DERIVED FROM SEWAGE SLUDGE

Complete this section if your facility generates sewage sludge or derives a material from sewage sludge

1.		nt Generated On Site.  dry metric tons per 365-day period generated at your facility: 839 dry metric tons								
2.	dispos	nt Received from Off Site. If your facility receives sewage sludge from another facility for treatment, use or al, provide the following information for each facility from which sewage sludge is received. If you receive e sludge from more than one facility, attach additional pages as necessary.  Facility name: N/A  Contact Person: N/A  Title: N/A  Phone ( ) N/A  Mailing address: N/A								
	c.	Street or P.O. Box: N/A \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \								
	d. e.	City or Town: N/A State: N/A Zip: N/A  Facility Address: N/A  (not P.O. Box)  Total dry metric tons per 365-day period received from this facility: N/A dry metric tons								
	f. Describe, on this form or on another sheet of paper, any treatment processes known to occur at the off-site facility, including blending activities and treatment to reduce pathogens or vector attraction characteristics:									
		N/A								
3.	Treatn a. b.	which class of pathogen reduction is achieved for the sewage sludge at your facility?  X Class A Class B Neither or unknown  Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce pathogens in sewage sludge: Static Aerated Pile Compost								
	c. d.	Which vector attraction reduction option is met for the sewage sludge at your facility? Option 1 (Minimum 38 percent reduction in volatile solids) Option 2 (Anaerobic process, with bench-scale demonstration) Option 3 (Aerobic process, with bench-scale demonstration) Option 4 (Specific oxygen uptake rate for aerobically digested sludge)  X_Option 5 (Aerobic processes plus raised temperature) Option 6 (Raise pH to 12 and retain at 11.5) Option 7 (75 percent solids with no unstabilized solids) Option 8 (90 percent solids with unstabilized solids) None or unknown  Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce vector attraction properties of sewage sludge: Aerobic Digestion; Static Aerated Pile Composting								
	e.	Describe, on this form or another sheet of paper, any other sewage sludge treatment activities, including blending, not identified in a - d above: Sludge Composting								



### COMMONWEALTH of VIRGINIA

DEPARTMENT OF HEALTH

### OFFICE OF DRINKING WATER

Southeast Virginia Field Office

830 Southampton Avenue Suite 2058 Norfolk, VA 23510 Phone (757) 683-2000 Fax (757) 683-2007

			MEMORA	NDUM						
TO:	Enviro	t E. Smithson, Jr. onmental Specialis tment of Environm	t Senior nental Quality – Ti	DATE:	FEB 0 5 2014 gional Office					
FROM	1: Daniel	B. Horne, PE eering Field Direct	= N10	and the second s	RECEIVED - DEQ					
CITY	COUNTY:	City of Franklin	1		FEB 0 7 2014					
PROJ	ECT TYPE:	□ New	☑ Renewal or F	Revision	Tidewater Regional					
Ø	VPDES □ VPA		□ VWPP	□ ЈРА	Office Office					
Ø	Number: VA0023922									
OWNER/APPLICANT: City of Franklin										
PROJI	ECT: City of Fran	nklin WWTP								
	There are no public water supply raw water intakes located within 15 miles downstream or within one tidal cycle upstream of the existing project.									
Ø	The raw water intake for the City of Norfolk waterworks is located approximately 15 miles upstream of the discharge. This should be a sufficient distance to minimize the impacts of the discharge. We recommend a minimum Reliability Class I for this facility.									
	The raw water intake for the waterworks is located miles [downstream/upstream (within one tidal cycle)] of the discharge.									
	Please forward a copy of the Draft Permit for our review and comment.									
□ Comments:										
Prepared	Renée S		<u> </u>							
pc:	V.D.H Office of Drinking Water, Field Services Engineer Ms. Kristen M. Lentz, PE, Director, Department of Public Utilities, City of Norfolk									
\\Odwsevfe	o\district\DIST20B\FR	ANKLIN\General\Fra	nklin WWTP VPDES	DEO memo 2-2	s, City Of MOFIOIK 2014 doex					

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VIRGINIA DEPARTMENT OF HEALTH Protecting You and Your Environment

WWW.VDH.VIRGINIA.GOV

From:

Smithson Jr., Robert (DEQ)

Sent:

Friday, January 31, 2014 3:14 PM

To:

Horne, Daniel (VDH); Howell, Beth (MRC); Stagg, Ben (MRC); Skiles, Keith (VDH)

Cc:

'Donnie Cagle'

Subject:

Permit Application for Review- Permit No. VA0023922- City of Franklin WWTP Reissuance,

Franklin, Southampton Co.

Attached is a link to the FTP site to access a permit application for your review. Under the folder for the facility listed above on the FTP site, there is a letter for each agency and the permit application, which may be in one or more files. Please pull the information that you need off the FTP site. The letters and application will remain available for no longer than 30 days. If you have any issues with the FTP site or if you have any questions, please contact me.

http://www.deq.virginia.gov/fileshare/wps/permit/tro/VDH,%20DSS,%20VMRC%20For%20Review/VA0023922%20City%20of%20Franklin%20WWTP%202014/



### COMMONWEALTH of VIRGINIA

### DEPARTMENT OF ENVIRONMENTAL QUALITY TIDEWATER REGIONAL OFFICE

Doug Domenech Secretary of Natural Resources 5636 Southern Boulevard, Virginia Beach, Virginia 23462 (757) 518-2000 Fax (757) 518-2009 www.deq.virginia.gov

David K. Paylor Director

Maria R. Nold Regional Director

January 9, 2014

Mr. Russell L. Pace, Director of Public Works City of Franklin P. O. Box 179 Franklin, VA 23851

Re:

Incomplete Application for Re-issuance of VPDES Permit No. VA0023922

City of Franklin WWTP, Franklin, VA

Dear Mr. Pace:

We have reviewed the referenced application which was received December 20, 2013 and find that it is missing a number of completed forms requested in our June 13, 2013 reissuance reminder letter. The submittal package did not contain the following required forms:.

The VPDES Permit Application Addendum
The VPDES Permit Annual Maintenance Fee Form
The VPDES Public Notice Billing Authorization Information Form (which was previously enclosed).

Our letter of June 13, 2013 indicated that the permit application addendum and VPDES Permit Annual Maintenance fee form are further down under the heading "miscellaneous forms/information". Please fill out all of these and submit them along with the enclosed public notice authorization form **by January 28**<sup>th</sup>, **2014**. I have also included hard copies of these forms for your convenience. These forms can also be found at

http://www.deq.virginia.gov/Programs/Water/PermittingCompliance/PollutionDischargeElimination/PermitsFees.aspx http://www.deq.virginia.gov/export/sites/default/vpdes/documents/VPDES Permit Application Addendum.doc http://www.deq.virginia.gov/export/sites/default/vpdes/documents/Permit Billing Information Form.doc

In addition to these omissions, 1) we also noted that section D of the sludge form was left blank, as well as other pages that should show N/A. All pages of this form that do not apply should be marked N/A where it applies; 2) Only one copy of the application forms were submitted; 3) We also request an updated Bio Green Compost information sheet similar to the one submitted with the 2009 permit application if one is available and 4) better copies of the maps submitted with the latter half of the Sewage sludge application form be submitted at this time.

Upon completing the applications and other forms, return the original and two copies to the Tidewater Regional Office at the above address. If you have the technology available however, we would prefer that the original signature application and a disk/CD or an e-mail with the application attached be submitted. This would eliminate the requirement of submitting two copies.

Please call me at (757) 518-2106 if you have any questions.

Robert E. Smithson, Jr.

Environmental Specialist Senior

Encl:

Public Notice Authorization to Bill Form VPDES Application Addendum

Permit Billing Information form



### COMMONWEALTH of VIRGINIA

### DEPARTMENT OF ENVIRONMENTAL QUALITY TIDEWATER REGIONAL OFFICE

Doug Domenech Secretary of Natural Resources 5636 Southern Boulevard, Virginia Beach, Virginia 23462 (757) 518-2000 Fax (757) 518-2009 www.deq.virginia.gov

David K. Paylor Director

Maria R. Nold Regional Director

June 13, 2013

Mr. Russell L. Pace, Director of Public Works City of Franklin P. O. Box 179 Franklin, VA 23851

Re:

Re-issuance of VPDES Permit No. VA0023922

City of Franklin WWTP, Franklin, VA

Dear Mr. Pace:

This letter is to remind you that your VPDES permit will expire on June 22, 2014.

If you wish to continue discharging, you must reapply for the permit. The State Water Control Board's VPDES Permit Regulation requires that we receive a complete application at least 180 days before the existing permit expires. The deadline for submitting the application is *December 24, 2013*. Early submissions are welcome and will better enable us to complete processing before permit expiration. You are required to submit the following forms: Form 2A, the Permit Application Addendum, the Sludge Application, the VPDES Permit Annual Maintenance Fee Form, and the VPDES Public Notice Billing Authorization Information Form (enclosed). Forms 2A and the Sludge Application are under the heading "Application Forms and Information". The permit application addendum and VPDES Permit Annual Maintenance fee form are further down under the heading "miscellaneous forms/information". Please fill out all of these and submit them along with the enclosed public notice authorization form. These forms can be found at

http://www.deg.virginia.gov/Programs/Water/PermittingCompliance/PollutionDischargeElimination/PermitsFees.aspx

http://www.deg.virginia.gov/export/sites/default/vpdes/pdf/EPAForm3510-2A.pdf

http://www.deg.virginia.gov/export/sites/default/vpdes/documents/VPDES Permit Application Addendum.doc

http://www.deq.virginia.gov/export/sites/default/vpdes/documents/Permit Billing Information Form.doc

http://www.deq.virginia.gov/export/sites/default/vpdes/pdf/VA Sludge App-rev2000.pdf

If you have difficulty locating/downloading any forms, please contact me. If you would like to request a waiver from any of the sampling or testing requirements in the application forms, you must submit your application and a thorough justification for the request at least 240 days prior to the exiting permit's expiration date. These waiver requests must be approved by DEQ and the U.S. EPA at least 180 days before the existing permit expires. DEQ will review your waiver request and, if it is justified, forward it to EPA. Failure to submit the waiver request by the 240 day deadline may result in the waiver being denied.

Upon completing the applications and other forms, return the original and two copies to the Tidewater Regional Office at the above address. If you have the technology available however, we would prefer that the original signature application and a disk/CD or an e-mail with the application attached be submitted. This would eliminate the requirement of submitting two copies.

There is no application fee for a regularly scheduled reissuance of an individual permit; that fee has been replaced by an annual permit maintenance fee which is to be paid by October 1 of each year. No permit will be reissued unless all maintenance fee payments are up to date.

DEQ has launched an e-DMR program that allows you to submit the effluent data electronically. There are many benefits to both DEQ and the permittee when e-DMR is utilized for submissions.

- 1) Fewer revisions for data since the e-DMR program automatically flags omissions before the data is submitted;
- 2) Cost savings on postage, copying, and paper;
- 3) No concerns about using the most current DMR e-DMR refreshes the required parameters automatically when changes are needed;
- 4) Submittals can be made on a timelier basis; and
- 5) Electronic signatures from multiple people are allowed and e-DMR can be accessed from multiple computer locations.

Re-issuance of VPDES Permit No. VA0023922 City of Franklin WWTP, Franklin, VA Page 2

We ask that you apply for e-DMR participation now so that we will be able to complete the application process when your permit is effective. The following website provides details: <a href="http://www.deq.virginia.gov/Programs/Water/PermittingCompliance/ElectronicDMRsubmissions.aspx">http://www.deq.virginia.gov/Programs/Water/PermittingCompliance/ElectronicDMRsubmissions.aspx</a>

Please call me at (757) 518-2106 if you have any questions.

Robert E. Smithson, Jr.

Environmental Specialist Senior

Encl:

Public Notice Authorization to Bill Form